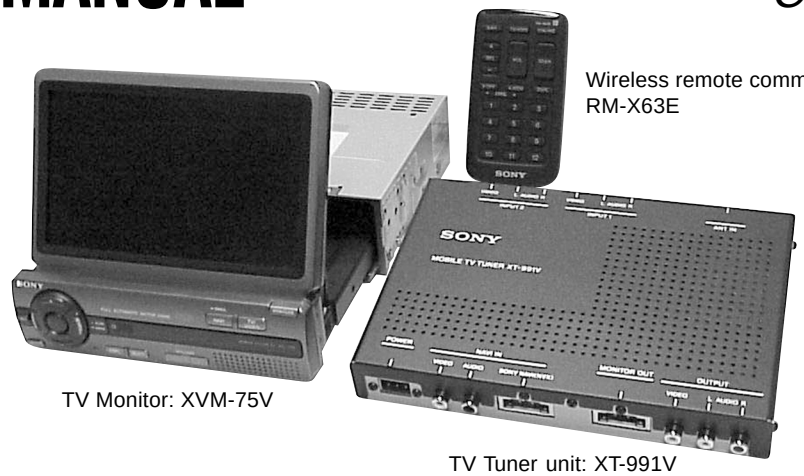
XTL-75V

SERVICE MANUAL

Chinese Model



Wireless remote commander:
RM-X63E

TV Monitor: XVM-75V

TV Tuner unit: XT-991V

- XTL-75V is composed of the following models.

TV Monitor	XVM-75V
TV Tuner unit	XT-991V
Wireless remote commander	RM-X63E

- The TV Tuner unit (XT-991V) attached to the XTL-75V is same model as XTL-750W. For further description, see the Service Manual of XTL-750W (9-925-662-□□).

SPECIFICATIONS

TV Monitor (XVM-75V)

System: Liquid crystal color display
Display: Transparent TN LCD panel
Drive system: TFT active matrix system
Picture size: 6.5 in.; 142.6 × 80.8 mm, 165 mm (w × h, diagonally)
Picture segment: 336,960 (w 1440 × h 234)
Speaker type: 35 × 20 mm dynamic speaker × 1
Power requirements: 12 V DC car battery (negative ground)
Current drain: Approx. 1.0 A
Dimensions: 178 × 50 × 180.7 mm (w × h × d)
Operating temperature: 5˚C ~ +45˚C
Mass: Approx. 2 kg

TV Tuner unit (XT-991V)

Television system: CCIR I,D,K system
Color system: TV: PAL
Video: PAL, NTSC
Channel converge
VHF: 1 CH ~ 12 CH
UHF: 21 CH ~ 69 CH
Power requirements: 12 V DC car battery (negative ground)
Current drain: Approx. 0.5 A
Output terminals
Video output: RCA pin 1 Vp-p, 75 ohm
Audio output: RCA pin –10 dBs, 10 kohm
Monitor output: Square 16 -pin (exclusive)
Input terminals
Video input (2 system): RCA pin 1 Vp-p, 75 ohm
Audio input: RCA pin –10 dBs, 10 kohm
Antenna input: mini plug
Navigation input: Square 16 -pin (exclusive)
RCA pin:
Video 1 Vp-p, 75 ohm
Audio (monaural)
–10 dBs, 10 kohm
Dimensions: 202 × 30 × 140 mm (w × h × d)
Mass: Approx. 750 g

Wireless remote commander (RM-X63E)

Power requirements: AA (R6) battery × 2
Operable range: Approx. 3 m
Dimensions: 62 × 25 × 115 mm (w × h × d)
Mass: Approx. 100 g (including batteries)

Supplied accessories

Wireless remote commander RM-X63E (1)

Design and specifications are subject to change without notice.

MOBILE COLOR TV

SONY®

SECTION 1
SERVICING NOTES

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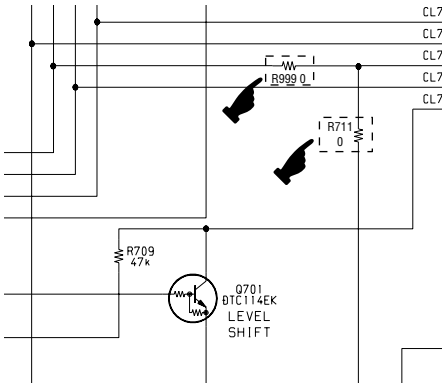
PRECAUTION ON REPLACING THE B BOARD

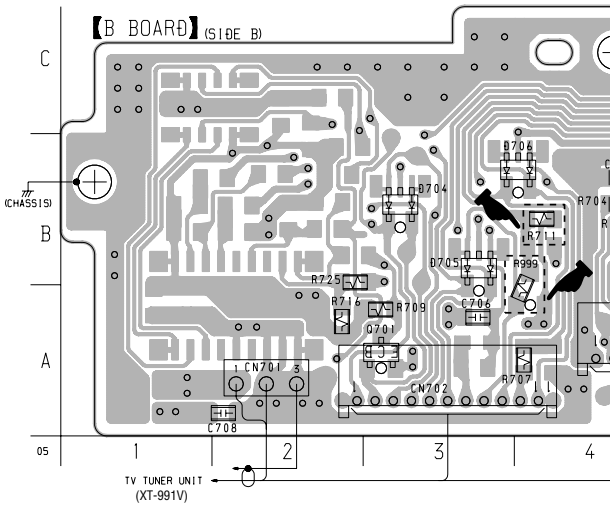
The R999 necessary for this set is not mounted on the B board for repair. Also, the R711 unnecessary for this set is mounted. Therefore, when replacing the B board, add R999 and remove R711 by referring to the following.

– SCHEMATIC DIAGRAM –

Loaction: G-11



– PRINTED BOARD –

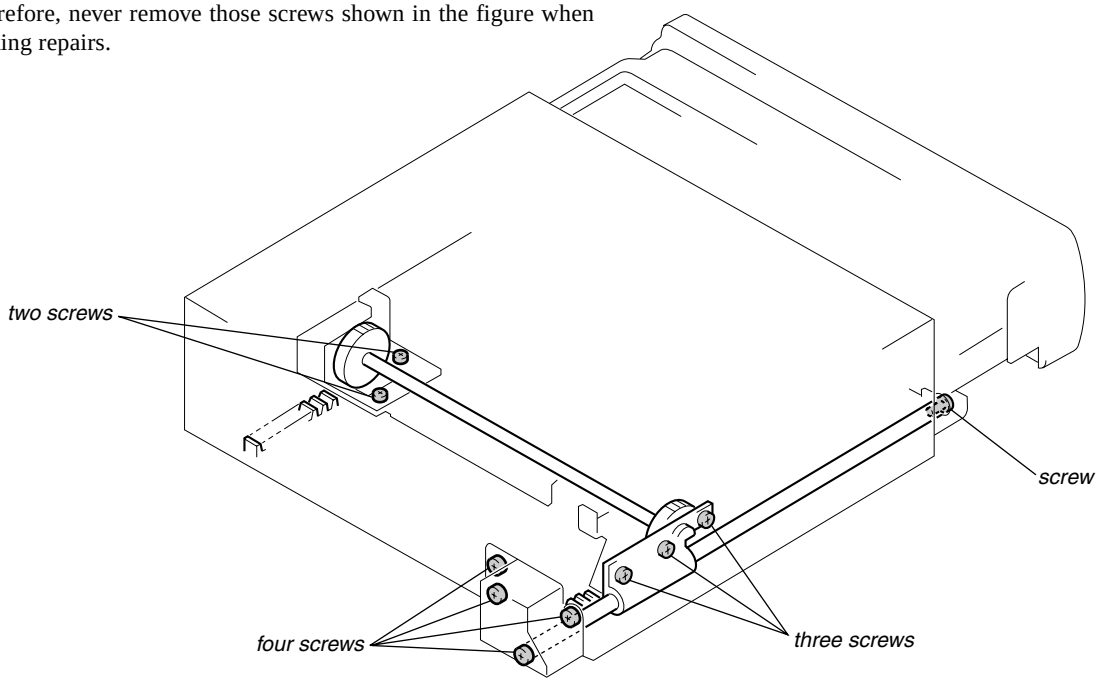


Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

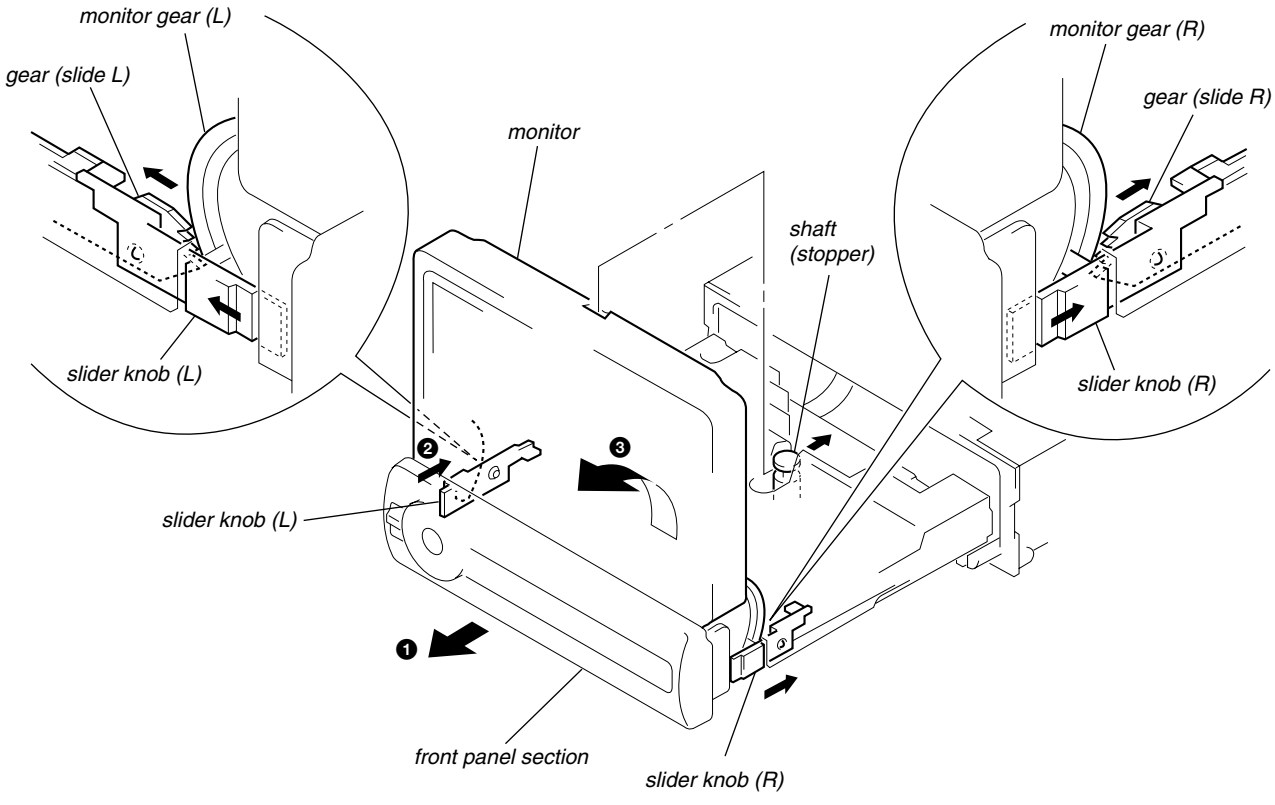
PRECAUTION ON HANDLING THE SET

During the manufacturing of this set, the slide gear phase has been finely adjusted.
Therefore, never remove those screws shown in the figure when making repairs.



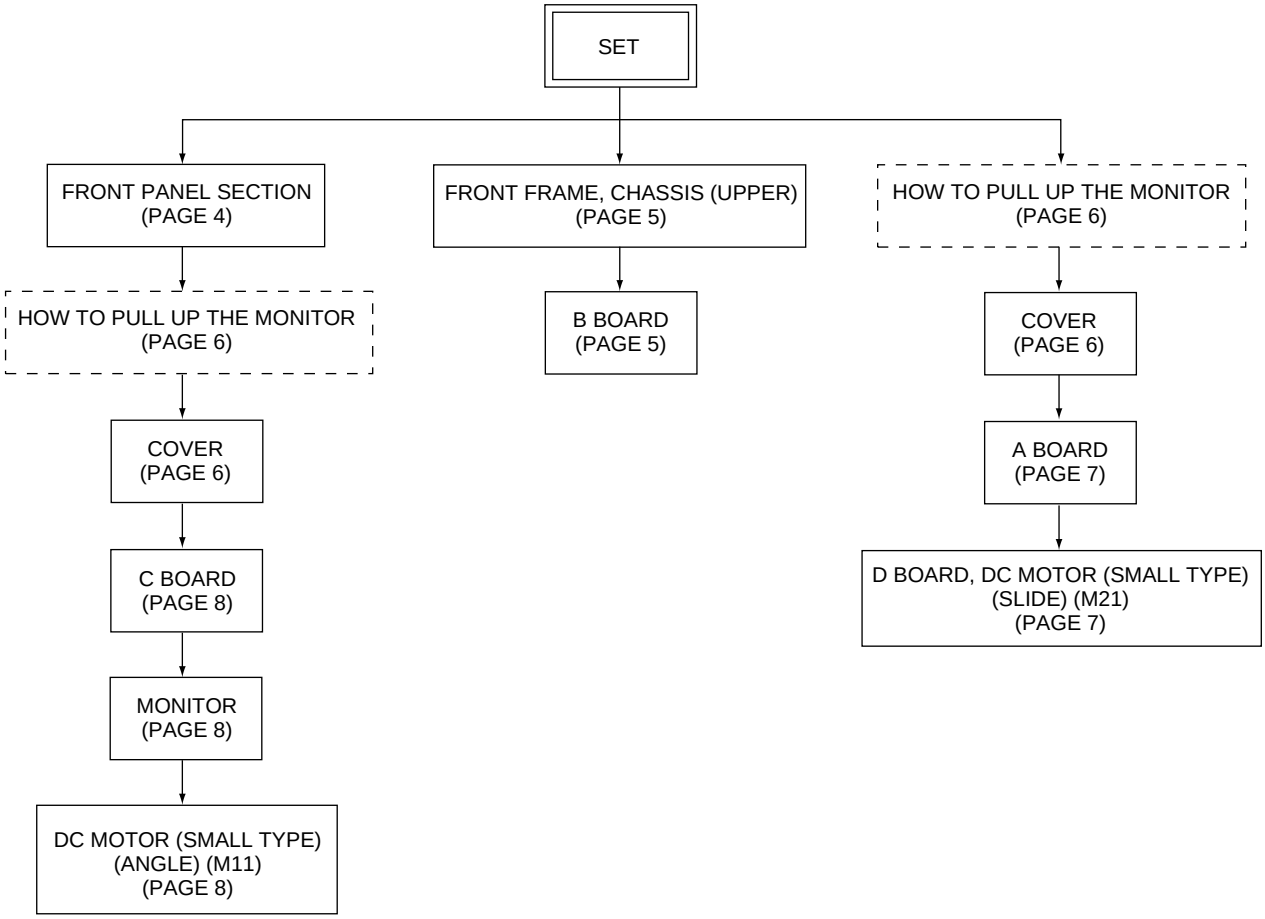
HOW TO PULL UP THE MONITOR BY HANDS AT POWER OFF

1. Draw out the front panel fully in the direction of the arrow ❶, and remove the shaft (stopper) from the monitor.
2. Push the slider knob (L) and slider (R) in the direction of arrow ❷.
   (Meshing of gear (slide L) – monitor gear (L), and gear (slide R) – monitor gear (R) can be disengaged)
3. Pull up the monitor in the direction of arrow ❸.



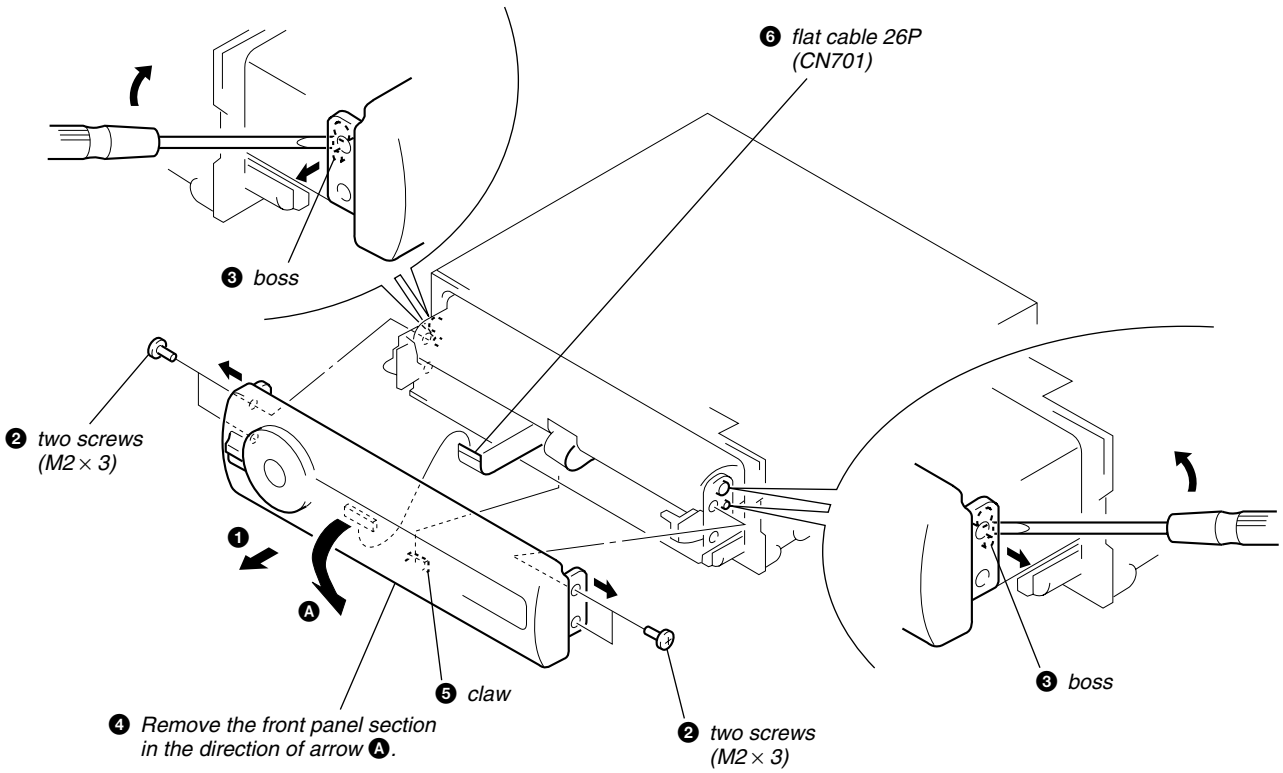
SECTION 2
DISASSEMBLY

• This set can be disassembled in the order shown below.
Note: Be sure to read the SERVICE NOTES before starting repairs.

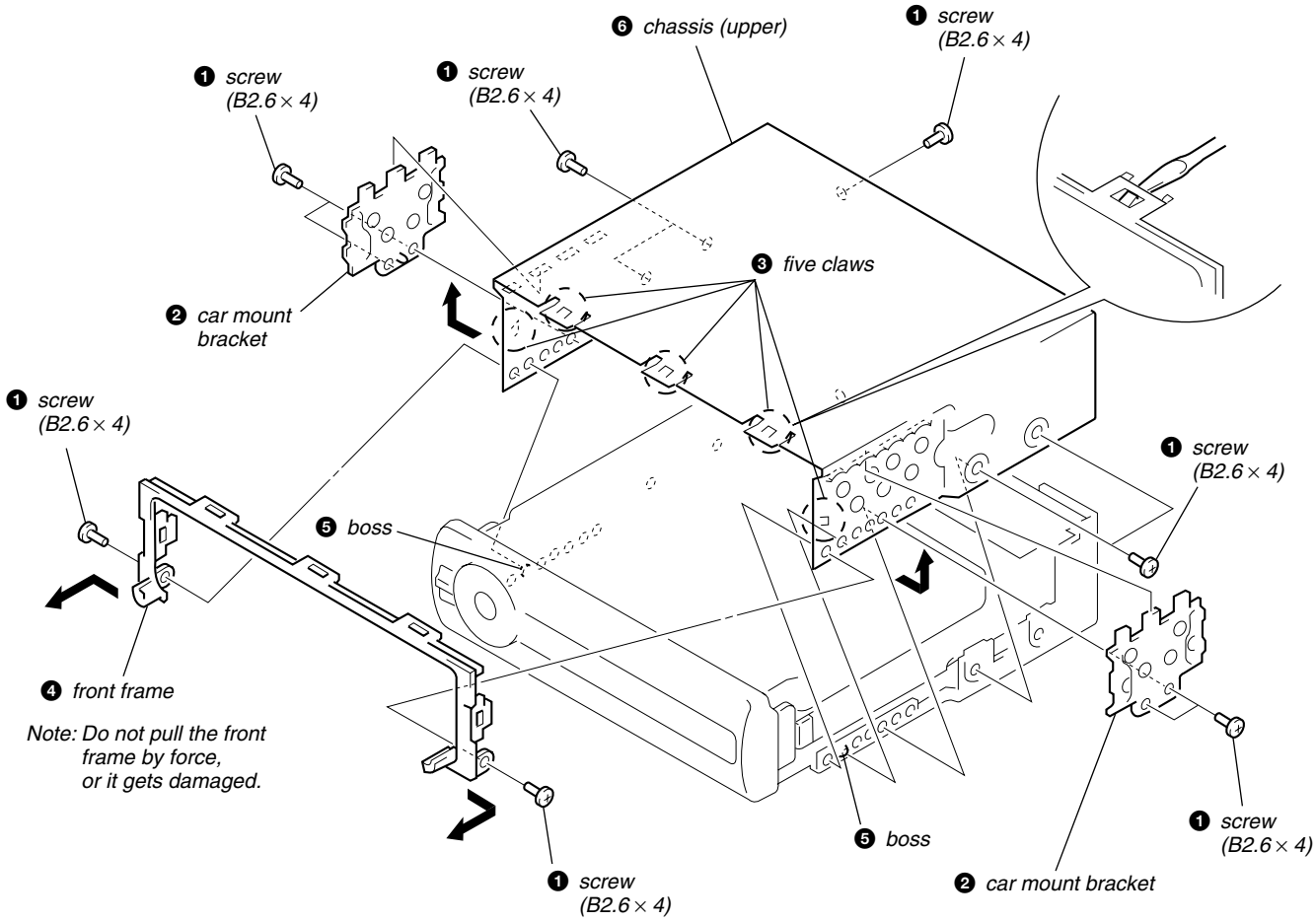

SET
FRONT PANEL SECTION (PAGE 4)
FRONT FRAME, CHASSIS (UPPER) (PAGE 5)
HOW TO PULL UP THE MONITOR (PAGE 6)
HOW TO PULL UP THE MONITOR (PAGE 6)
B BOARD (PAGE 5)
COVER (PAGE 6)
COVER (PAGE 6)
A BOARD (PAGE 7)
C BOARD (PAGE 8)
D BOARD, DC MOTOR (SMALL TYPE) (SLIDE) (M21) (PAGE 7)
MONITOR (PAGE 8)
DC MOTOR (SMALL TYPE) (ANGLE) (M11) (PAGE 8)

Note: Follow the disassembly procedure in the numerical order given.

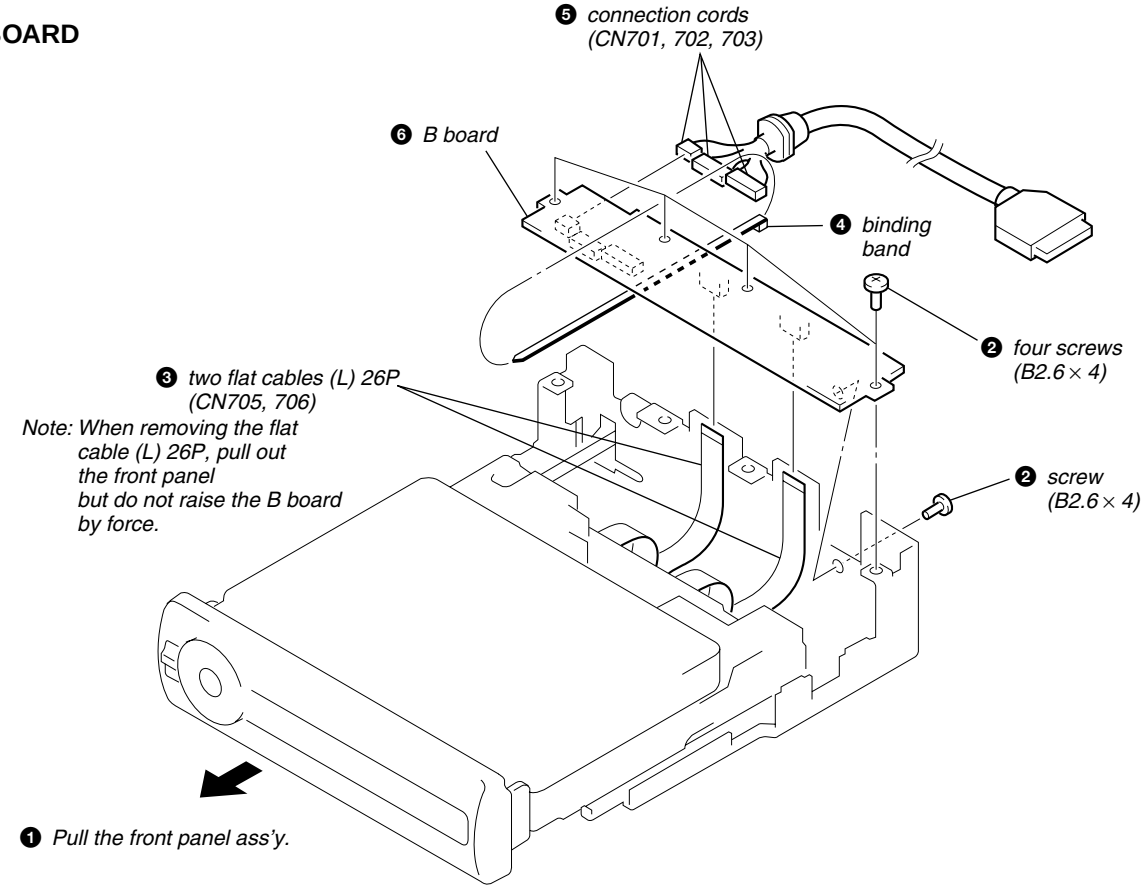
FRONT PANEL SECTION


❻ flat cable 26P (CN701)
❸ boss
❷ two screws (M2 × 3)
❶
Ⓐ
❺ claw
❹ Remove the front panel section in the direction of arrow Ⓐ.
❸ boss
❷ two screws (M2 × 3)

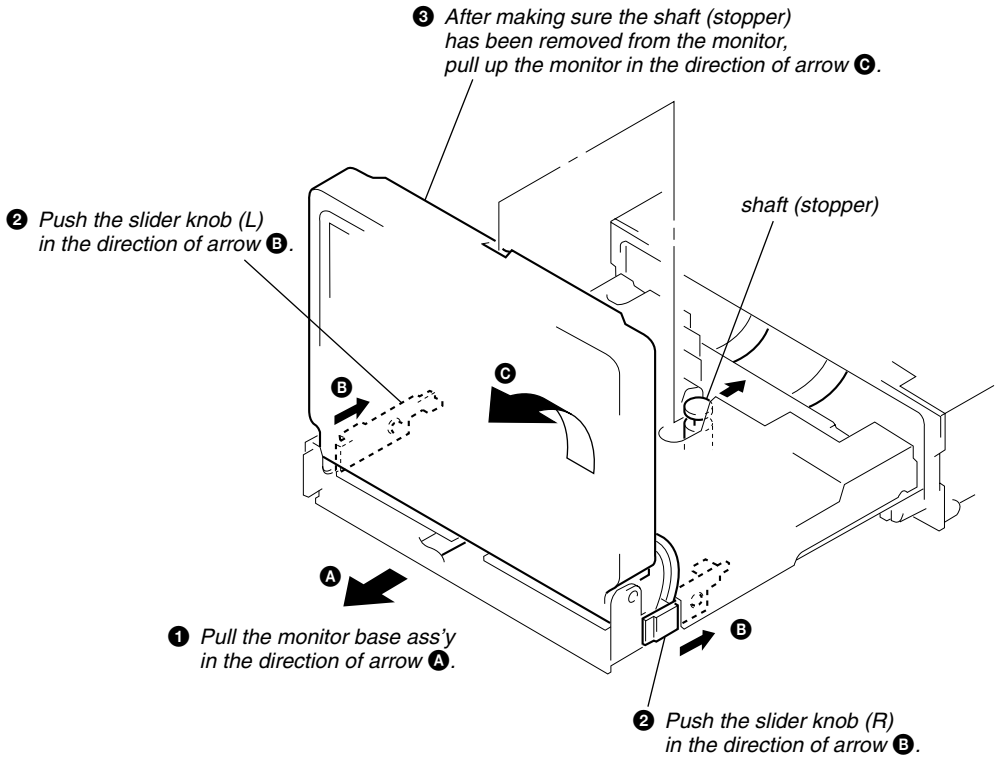
FRONT FRAME, CHASSIS (UPPER)


❻ chassis (upper)
❶ screw (B2.6 × 4)
❶ screw (B2.6 × 4)
❶ screw (B2.6 × 4)
❸ five claws
❷ car mount bracket
❶ screw (B2.6 × 4)
❶ screw (B2.6 × 4)
❺ boss
❹ front frame
Note: Do not pull the front frame by force, or it gets damaged.
❺ boss
❶ screw (B2.6 × 4)
❶ screw (B2.6 × 4)
❷ car mount bracket

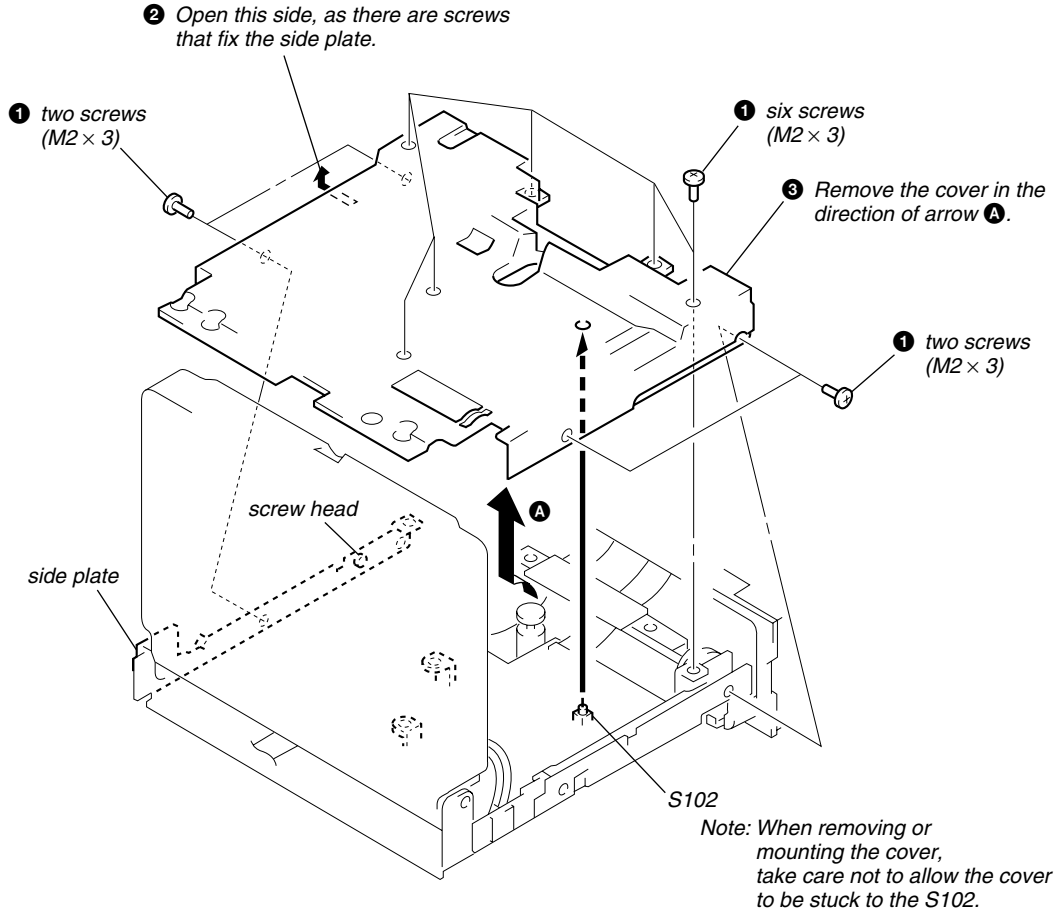
B BOARD


❺ connection cords (CN701, 702, 703)
❻ B board
❹ binding band
❷ four screws (B2.6 × 4)
❸ two flat cables (L) 26P (CN705, 706)
Note: When removing the flat cable (L) 26P, pull out the front panel but do not raise the B board by force.
❷ screw (B2.6 × 4)
❶ Pull the front panel ass'y.

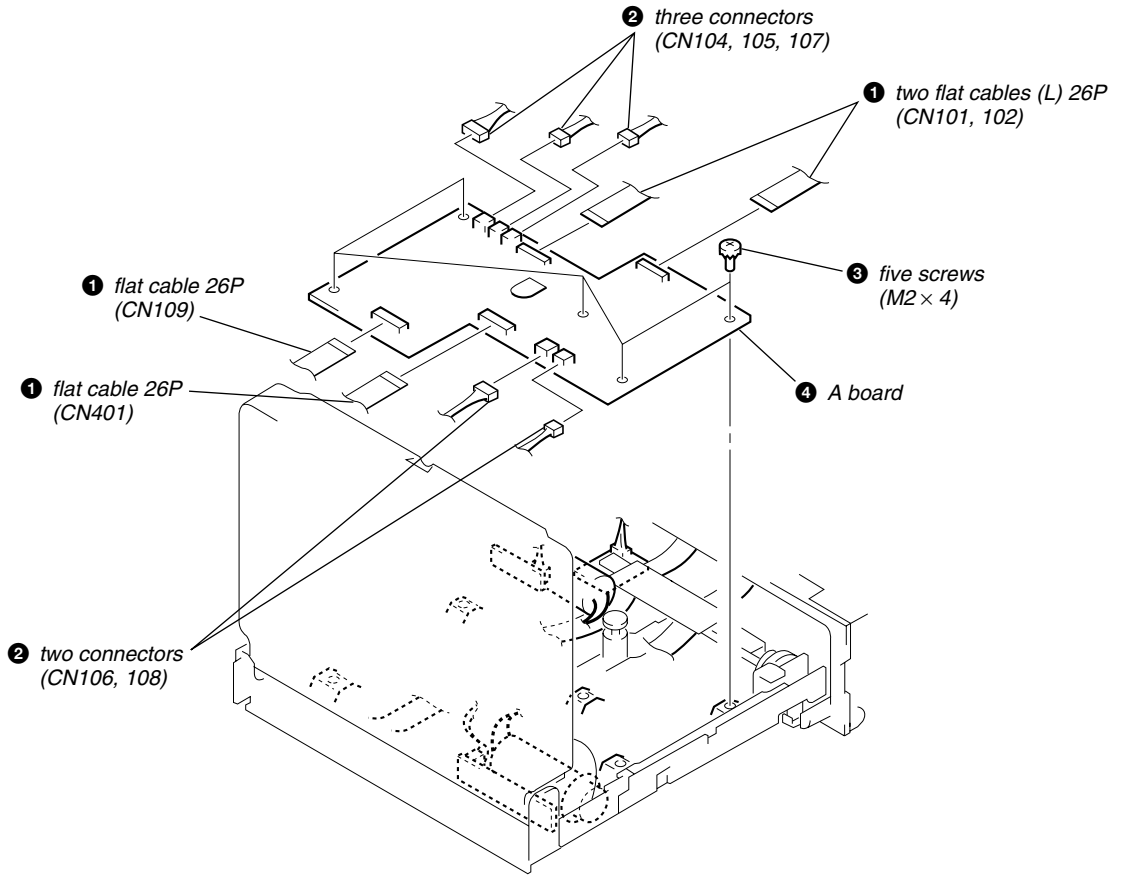
HOW TO PULL UP THE MONITOR


❸ After making sure the shaft (stopper) has been removed from the monitor, pull up the monitor in the direction of arrow C.
❷ Push the slider knob (L) in the direction of arrow B.
shaft (stopper)
B
C
A
❶ Pull the monitor base ass'y in the direction of arrow A.
B
❷ Push the slider knob (R) in the direction of arrow B.

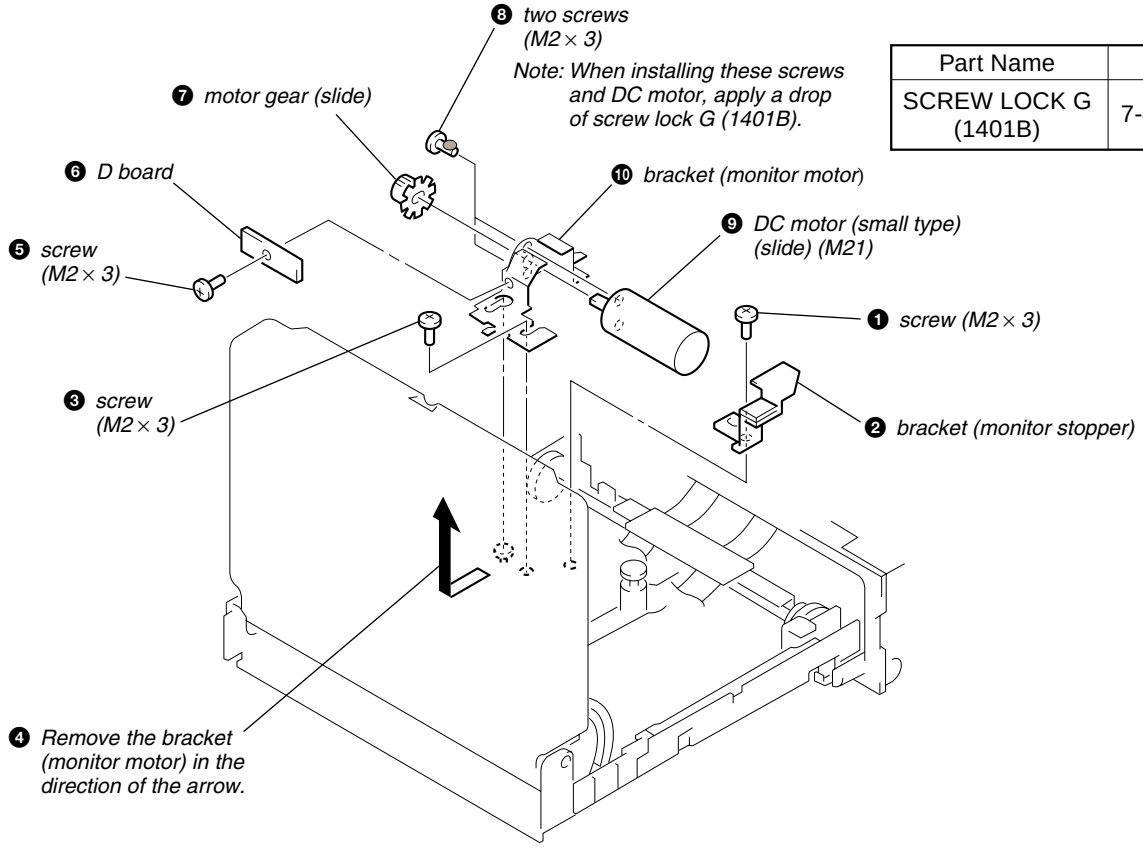
COVER


❷ Open this side, as there are screws that fix the side plate.
❶ two screws (M2 × 3)
❶ six screws (M2 × 3)
❸ Remove the cover in the direction of arrow A.
❶ two screws (M2 × 3)
C
A
screw head
side plate
S102
Note: When removing or mounting the cover, take care not to allow the cover to be stuck to the S102.

A BOARD

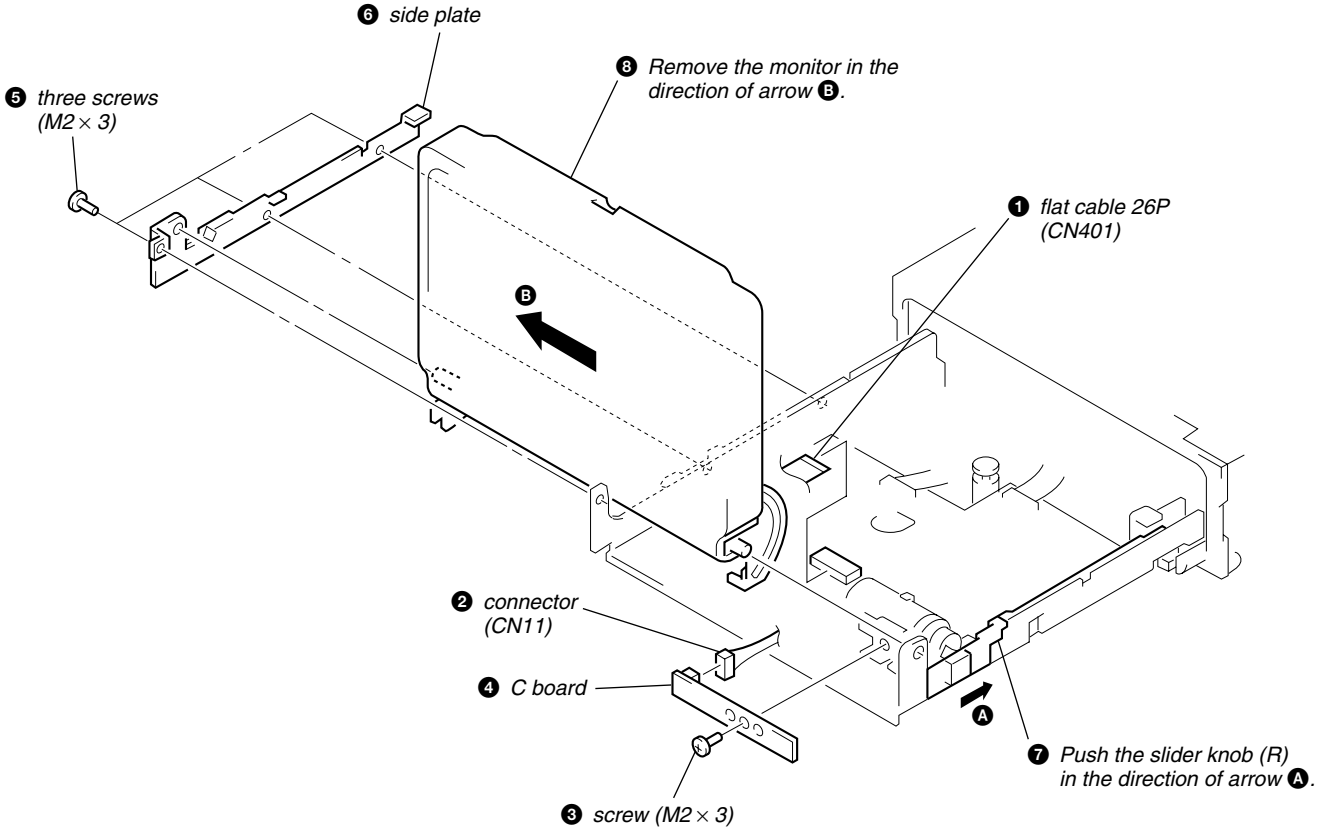

❷ three connectors (CN104, 105, 107)
❶ two flat cables (L) 26P (CN101, 102)
❸ five screws (M2 × 4)
❶ flat cable 26P (CN109)
❶ flat cable 26P (CN401)
❹ A board
❷ two connectors (CN106, 108)

D BOARD, DC MOTOR (SMALL TYPE) (SLIDE) (M21)

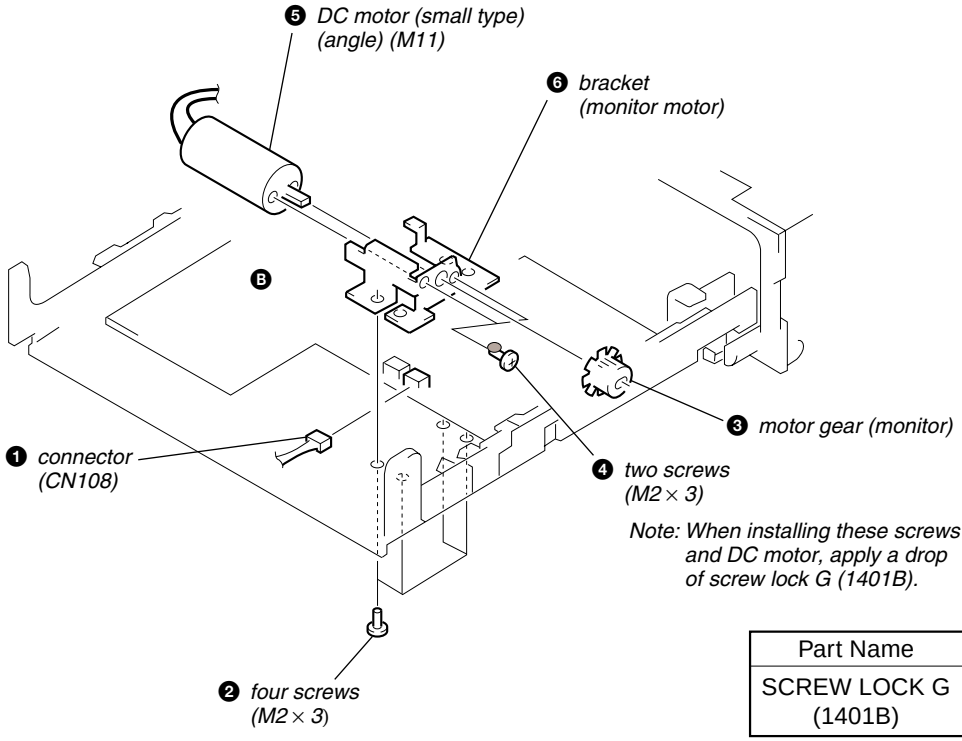

❽ two screws (M2 × 3)
Note: When installing these screws and DC motor, apply a drop of screw lock G (1401B).
❼ motor gear (slide)
❻ D board
❿ bracket (monitor motor)
❺ screw (M2 × 3)
❾ DC motor (small type) (slide) (M21)
❶ screw (M2 × 3)
❸ screw (M2 × 3)
❷ bracket (monitor stopper)
❹ Remove the bracket (monitor motor) in the direction of the arrow.

Part Name	Part No.
SCREW LOCK G (1401B)	7-432-114-11

C BOARD, MONITOR


❻ side plate
❽ Remove the monitor in the direction of arrow ❽.
❺ three screws (M2 × 3)
❶ flat cable 26P (CN401)
❷ connector (CN11)
❹ C board
❼ Push the slider knob (R) in the direction of arrow ❻.
❸ screw (M2 × 3)

DC MOTOR (SMALL TYPE) (ANGLE) (M11)

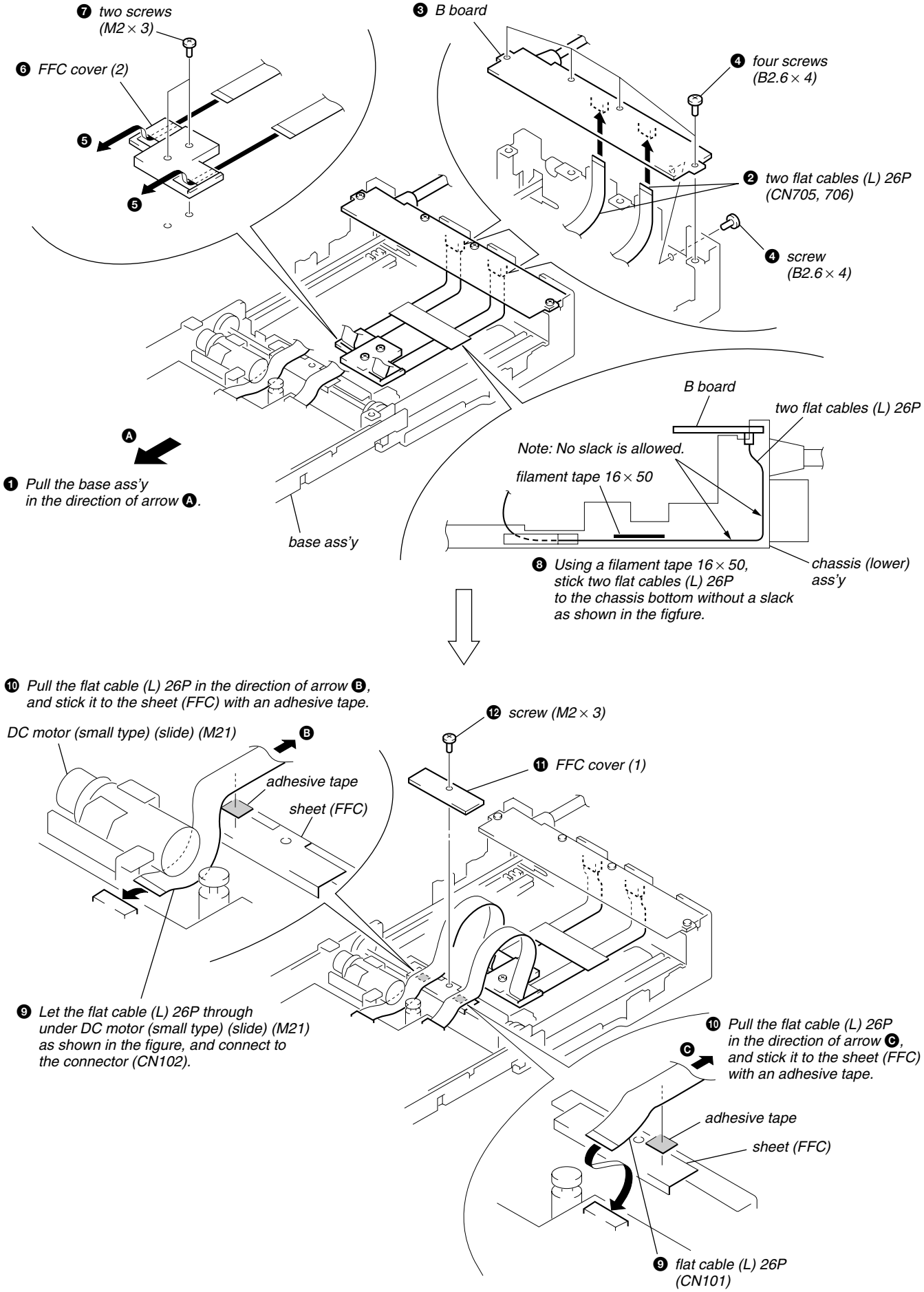

❺ DC motor (small type) (angle) (M11)
❻ bracket (monitor motor)
❸ motor gear (monitor)
❶ connector (CN108)
❹ two screws (M2 × 3)
Note: When installing these screws and DC motor, apply a drop of screw lock G (1401B).
❷ four screws (M2 × 3)

Part Name	Part No.
SCREW LOCK G (1401B)	7-432-114-11

SECTION 3
ASSEMBLY

Note: Follow the assembly procedure in the numerical order given.

INSTALLATION OF FLAT CABLE (L) 26P


❼ two screws (M2 × 3)
❻ FFC cover (2)
❺
❸ B board
❹ four screws (B2.6 × 4)
❷ two flat cables (L) 26P (CN705, 706)
❹ screw (B2.6 × 4)
Ⓐ
❶ Pull the base ass'y in the direction of arrow Ⓐ.
base ass'y
B board
two flat cables (L) 26P
Note: No slack is allowed.
filament tape 16 × 50
chassis (lower) ass'y
❽ Using a filament tape 16 × 50, stick two flat cables (L) 26P to the chassis bottom without a slack as shown in the figfure.
❿ Pull the flat cable (L) 26P in the direction of arrow Ⓑ, and stick it to the sheet (FFC) with an adhesive tape.
DC motor (small type) (slide) (M21)
Ⓑ
adhesive tape
sheet (FFC)
⓬ screw (M2 × 3)
⓫ FFC cover (1)
❾ Let the flat cable (L) 26P through under DC motor (small type) (slide) (M21) as shown in the figure, and connect to the connector (CN102).
❿ Pull the flat cable (L) 26P in the direction of arrow Ⓒ, and stick it to the sheet (FFC) with an adhesive tape.
Ⓒ
adhesive tape
sheet (FFC)
❾ flat cable (L) 26P (CN101)

SECTION 4
TEST MODE

Test mode setting

1. Press the [OPEN/CLOSE] button to place the set in open state.
2. Press the [V ADJ] button and [TV/VIDEO] button simultaneously.
3. A beep sounds and the test mode is activated.

Note: The test mode is active for several seconds only, and it returns to normal state if no operation is performed during this time. When the test mode is activated, perform the following operation immediately.

Monitor position initializing

Return the position and angle at the time of monitor open state to the initial position set in the factory.

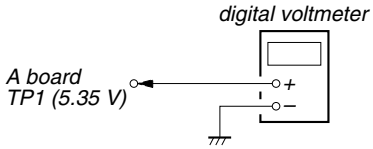
1. Immediately after the Test mode is activated, press the [SEARCH –] button and [TV/VIDEO] button. (A beep will sound)
2. Press the RESET button, and the monitor is stored and the monitor position is initialized. (Normal state will get back)

SECTION 5
ELECTRICAL ADJUSTMENTS

MAIN SECTION

5.35 V Adjustment

Connection:

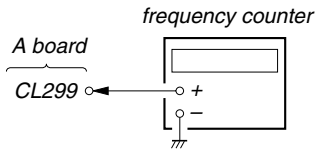


Adjustment Procedure:

1. Connect a digital voltmeter to the TP1 (5.35 V) on the A board.
2. Adjust RV501 on the A board so that digital voltmeter reading is 5.35 V.

Inverter Standard Frequency Adjustment

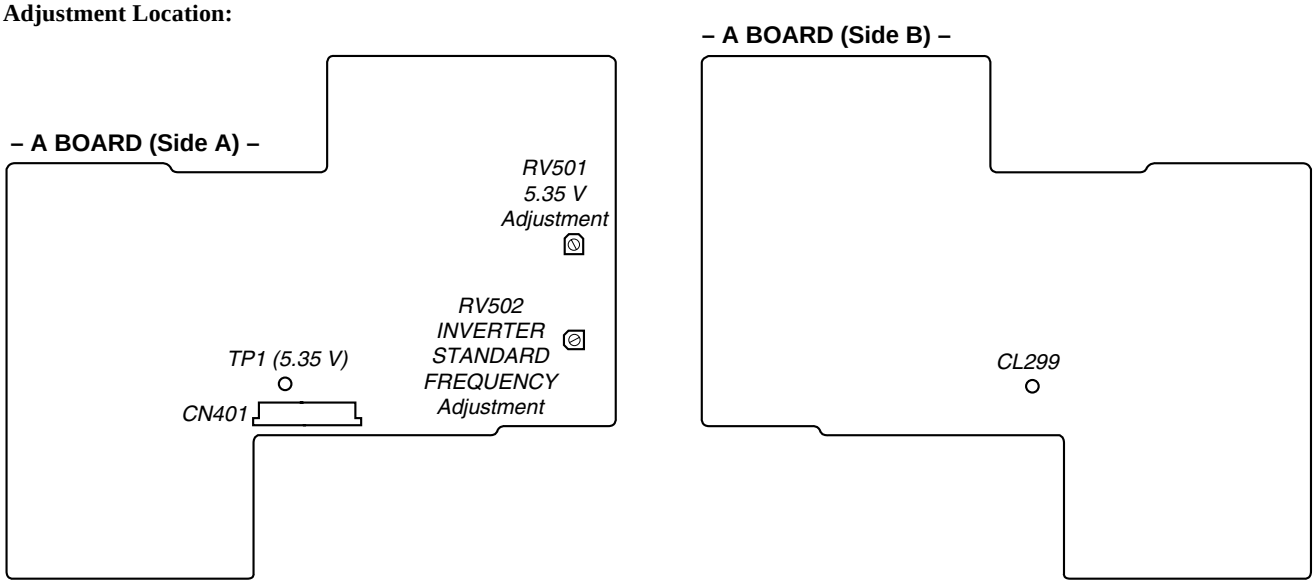
Connection:



Adjustment Procedure:

1. Connect a frequency counter to the CL299 on the A board.
2. Adjust RV502 on the A board so that frequency counter reading is 115 ± 2 kHz.

Adjustment Location:



MONITOR SECTION

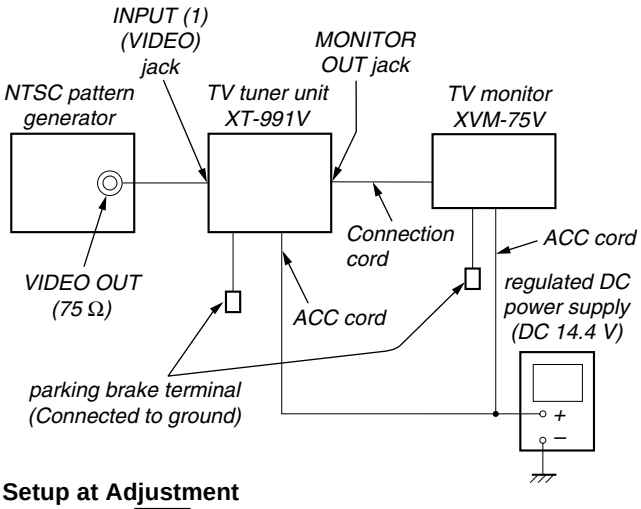
Equipment Used

The measuring equipment below are used for these electrical adjustments:

- Oscilloscope
- NTSC pattern generator
- PAL pattern generator
- Regulated DC power supply
- Digital voltmeter

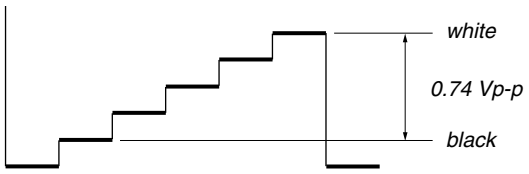
Connection of Equipment

Unless otherwise specified, the measuring equipment should be connected as shown below:



Setup at Adjustment

1. Press the SEL button of the wireless remote commander, set the image quality of the set to "VISUAL STD".
2. The adjustment signal is a 5-step gray scale signal from a NTSC pattern generator.
   Input the gray scale signal into the tuner unit and connect an oscilloscope to TP415 on the G board. Check that the width between the black and white levels of the gray scale signal is 0.74 Vp-w.



Bright Adjustment

Adjustment Procedure:

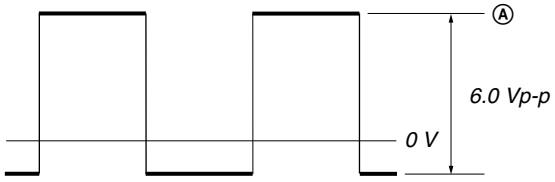
1. Display the gray scale on the monitor screen.
2. Connect a digital voltmeter to TP (BRIGHT) on the G board.
3. Adjust RV405 so that the reading on the digital voltmeter is 2 V.

Adjustment Location: See page 13.

V COM Amplitude/Bias Adjustment

Adjustment Procedure:

1. Display the gray scale on the monitor screen.
2. Connect an oscilloscope to TP (COM) on the G board.
3. V COM Amplitude Adjustment
   Adjust RV401 so that the amplitude of the output waveform is 6.0 V.
4. V COM Bias Adjustment
   Adjust RV409 so that the level Ⓐ of the output waveform is at 4.3 V DC.

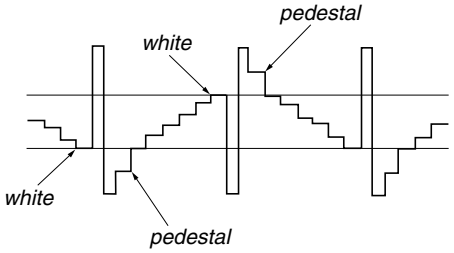


Adjustment Location: See page 13.

RGB Amplitude Adjustment

Adjustment Procedure:

1. Display the gray scale on the monitor screen.
2. Connect a oscilloscope to TP (G) on the G board.
3. Adjust RV406 so that the white and the next step of pedestal are on the same level.

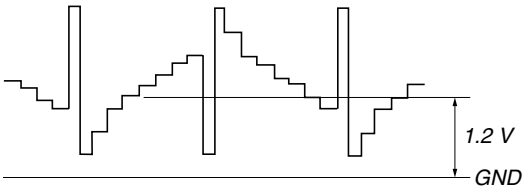


Adjustment Location: See page 13.

γ 0 Adjustment

Adjustment Procedure:

1. Display the gray scale on the monitor screen.
2. Connect an oscilloscope to TP (G) on the G board.
3. Adjust RV407 so that the third step from the bottom becomes 1.2 V.

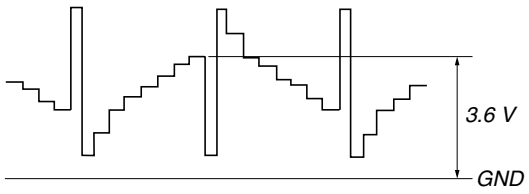


Adjustment Location: See page 13.

γ 2 Adjustment

Adjustment Procedure:

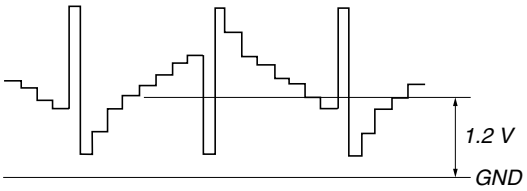
1. Display the gray scale on the monitor screen.
2. Connect a oscilloscope to TP (G) on the G board.
3. Adjust RV408 so that the white level becomes 3.6 V.



R Sub Bright Adjustment

Adjustment Procedure:

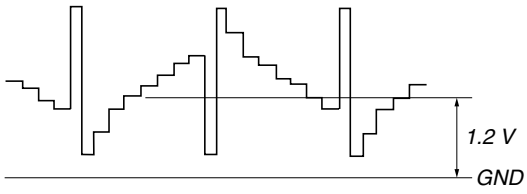
1. Display the gray scale on the monitor screen.
2. Connect a oscilloscope to TP (R) on the G board.
3. Adjust RV403 so that the third step from the bottom becomes 1.2 V.



B Sub Bright Adjustment

Adjustment Procedure:

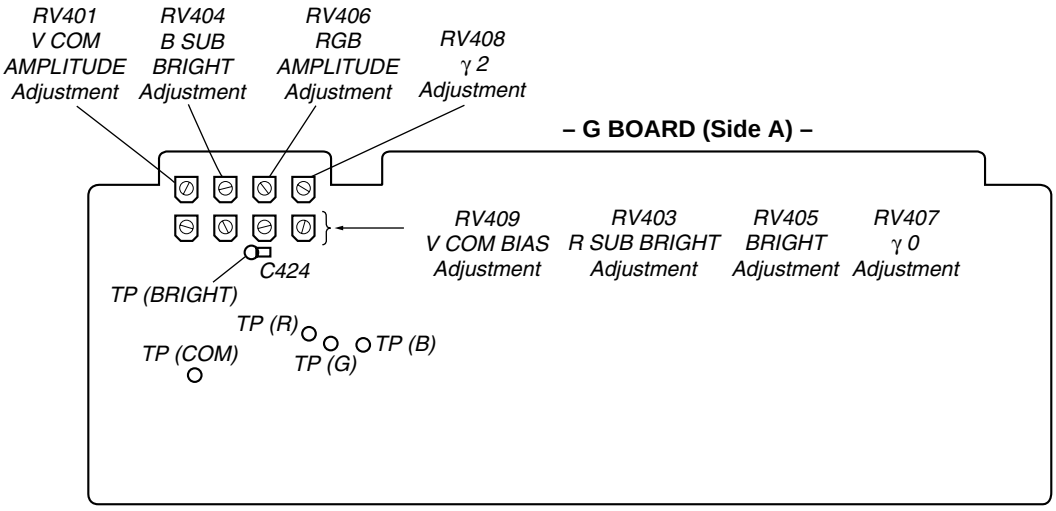
1. Display the gray scale on the monitor screen.
2. Connect a oscilloscope to TP (B) on the G board.
3. Adjust RV404 so that the third step from the bottom becomes 1.2 V.



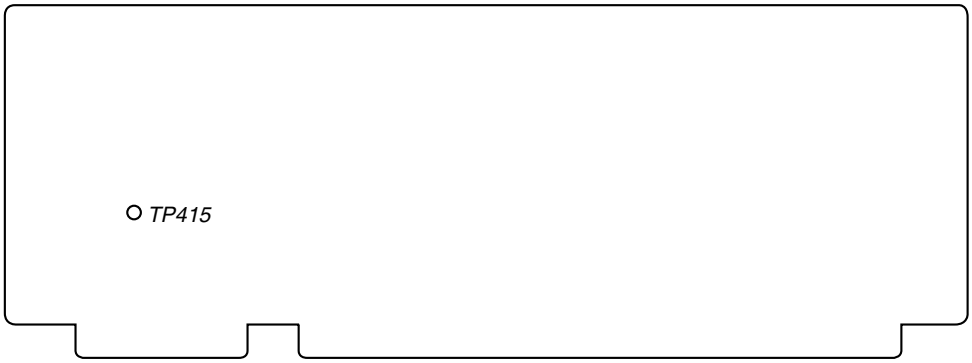
Note:

After all adjustments finished, enter connect the PAL pattern generator to check that a picture appears.

Adjsutment Location:



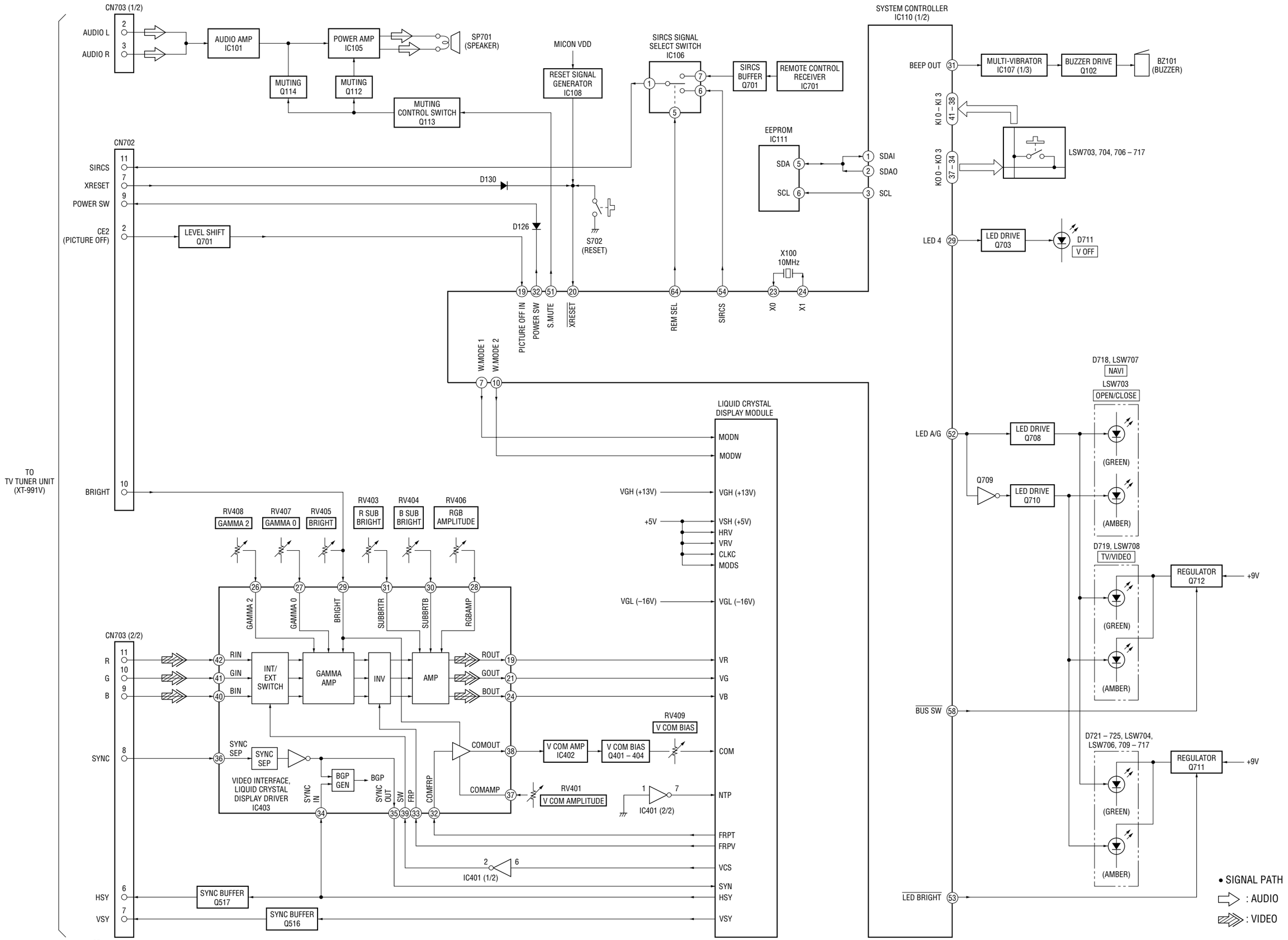
– G BOARD (Side B) –



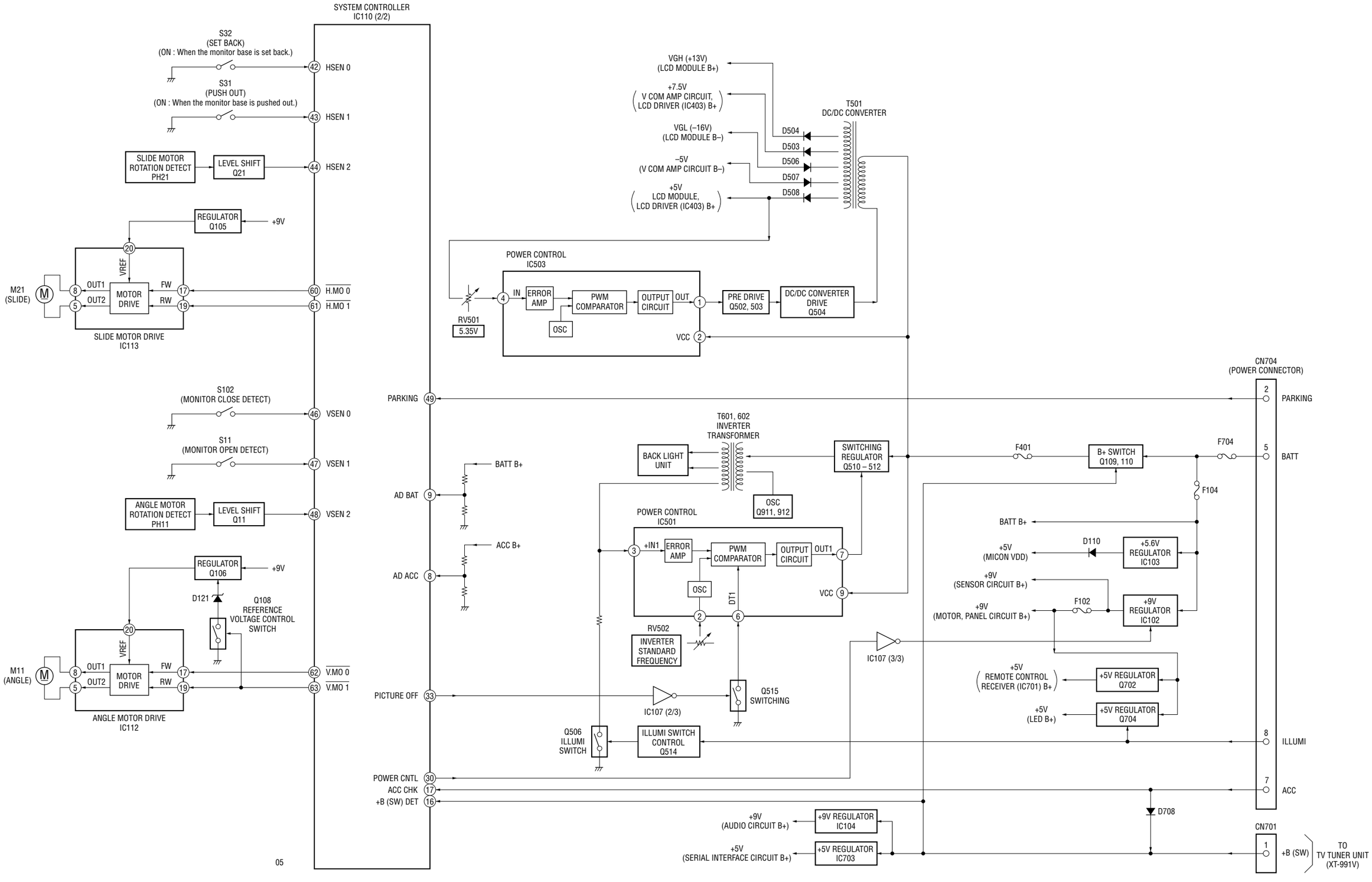
MEMO

SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – AUDIO/VIDEO/MODE CONTROL Section –



6-2. BLOCK DIAGRAM – SENSOR/MOTOR/POWER SUPPLY Section –



6-3. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

- ⊶——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▒▒▒ : Pattern from the side which enables seeing.

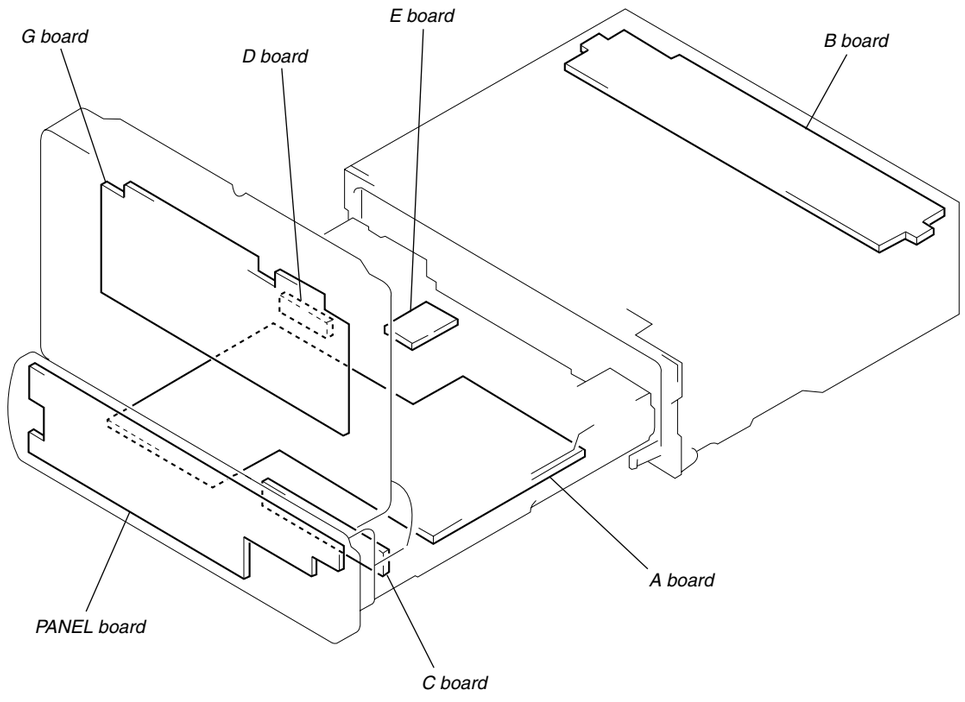
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

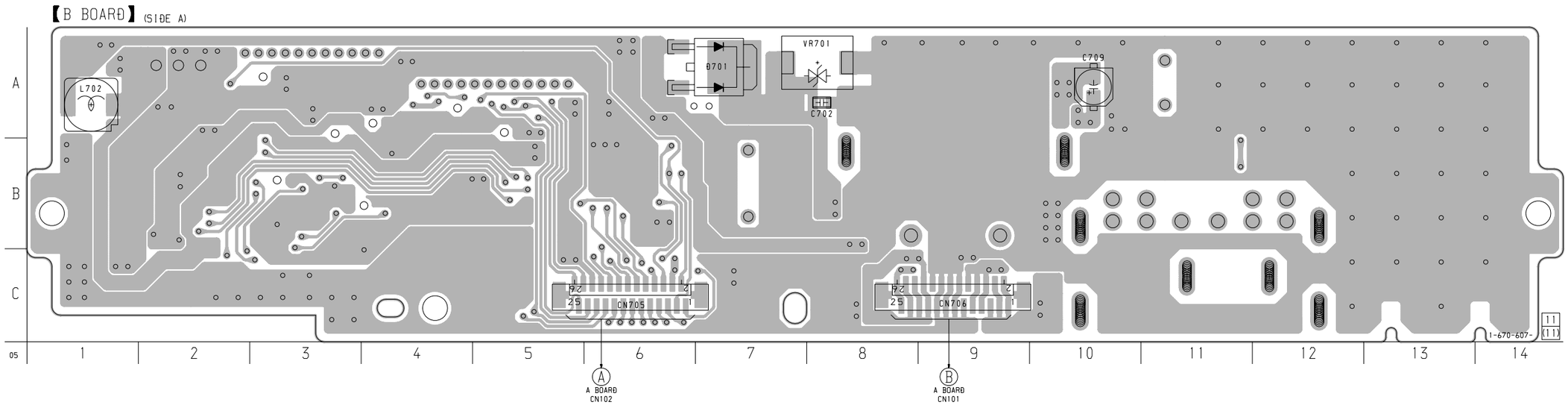
Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- B+ : B+ Line.
- B− : B– Line.
- ▬ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground in color-bar signal input.
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO
  ⇛ : VIDEO

• Circuit Boards Location

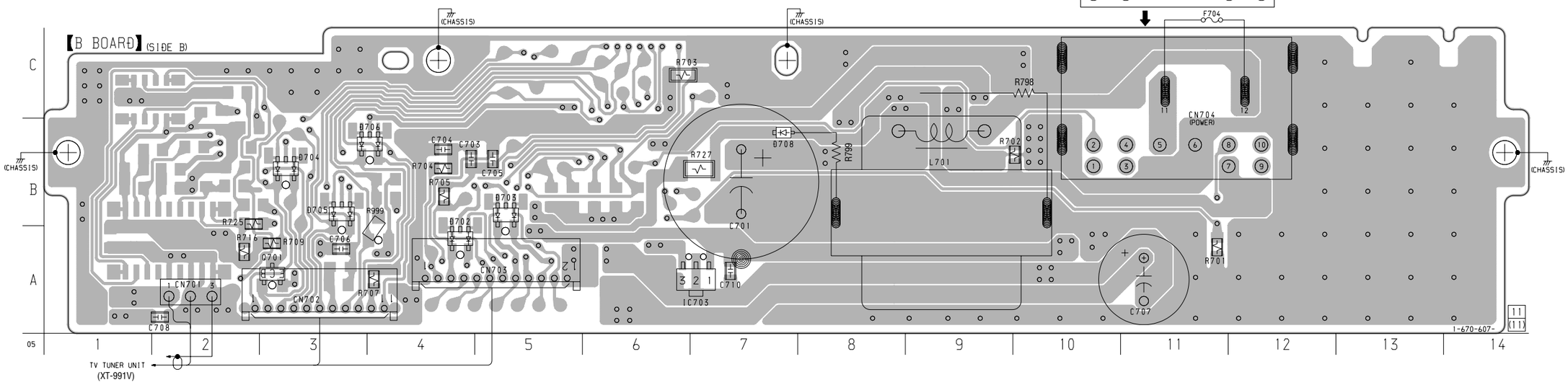


6-4. PRINTED WIRING BOARD – B Board – • See page 17 for Circuit Boards Location.

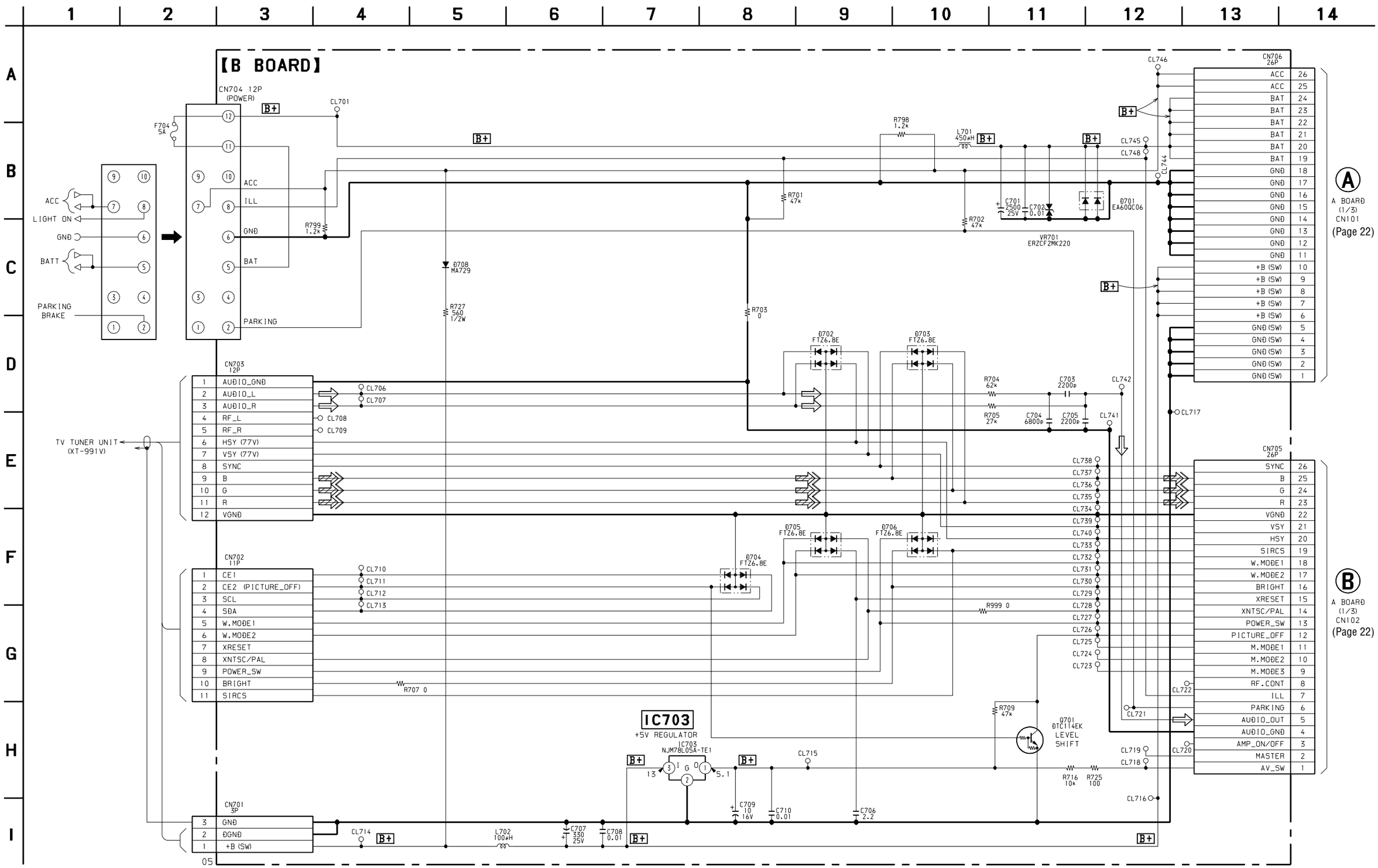


- **Semiconductor Location (Side B)**

Ref. No.	Location
D702	A-4
D703	B-5
D704	B-3
D705	B-3
D706	B-4
D708	B-7
IC703	A-7
Q701	A-3



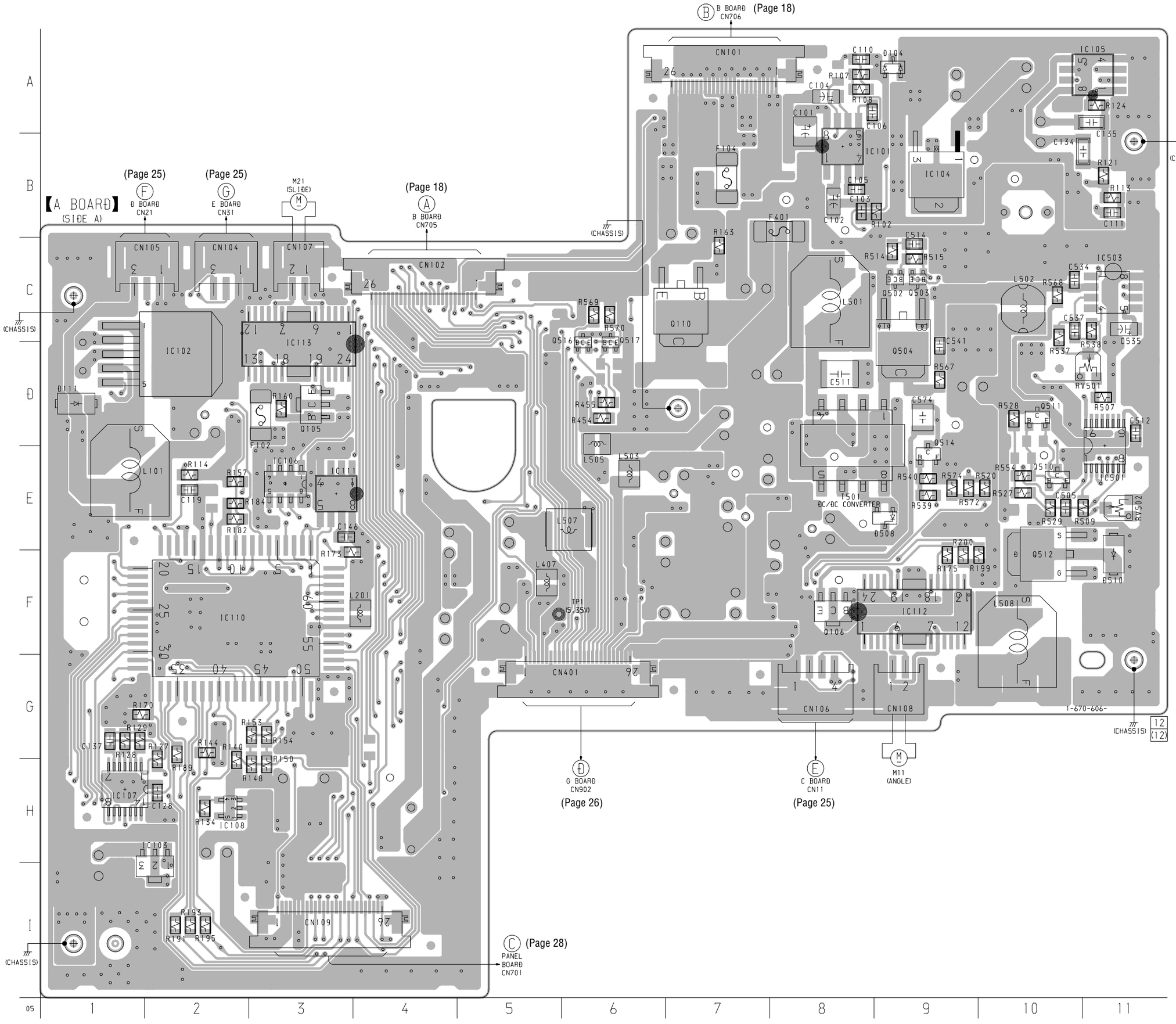
6-5. SCHEMATIC DIAGRAM – B Board –



6-6. PRINTED WIRING BOARD – A Board (Side A) – • See page 17 for Circuit Boards Location.

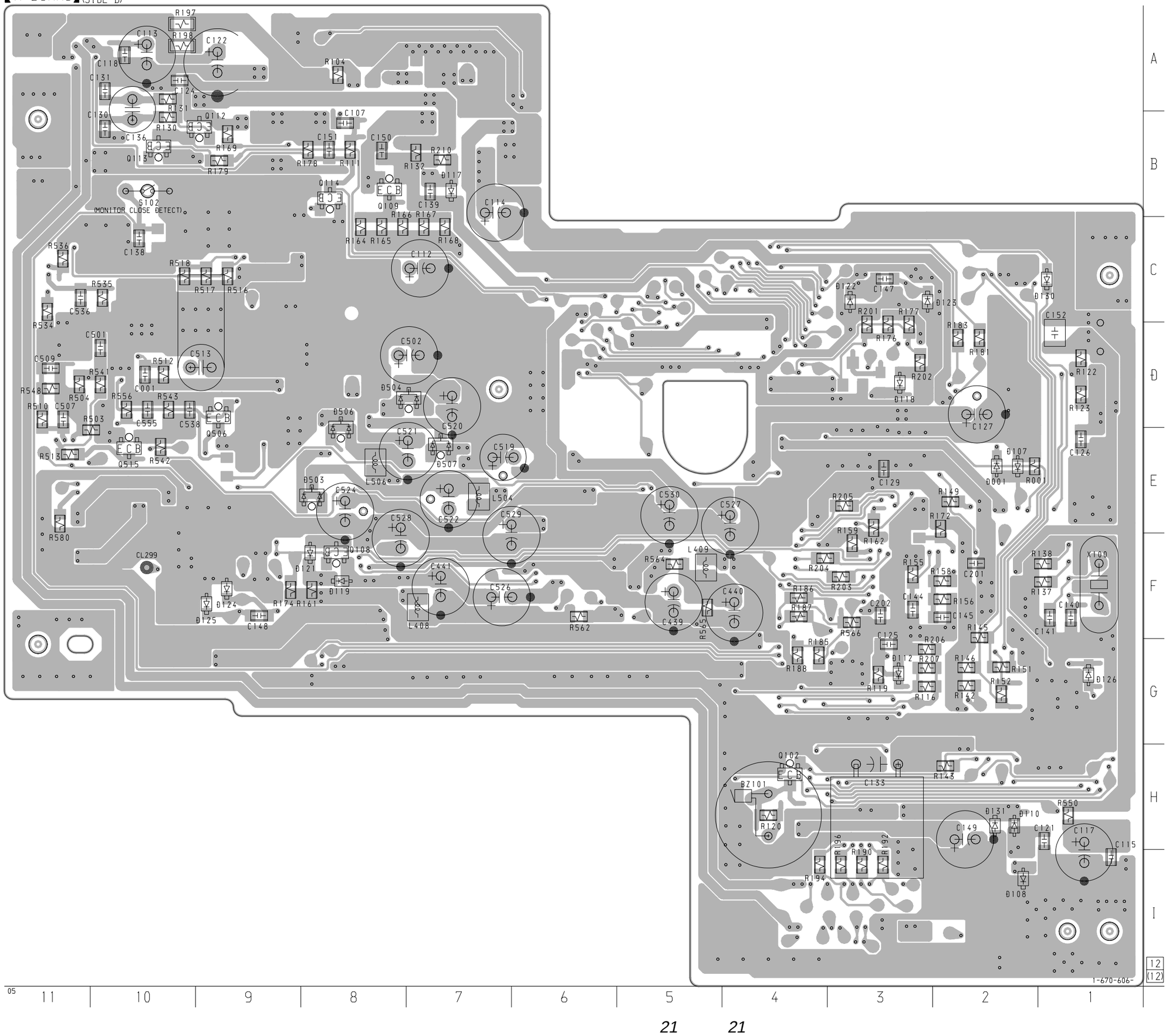
- **Semiconductor Location**

Ref. No.	Location
D104	A-9
D111	D-1
D508	E-9
D510	F-11
IC101	B-8
IC102	D-2
IC103	H-2
IC104	B-9
IC105	A-11
IC106	E-3
IC107	H-1
IC108	H-2
IC110	F-2
IC111	E-3
IC112	F-9
IC113	C-3
IC501	E-11
IC503	C-11
Q105	D-3
Q106	F-8
Q110	C-7
Q502	C-9
Q503	C-9
Q504	C-9
Q510	E-10
Q511	D-10
Q512	F-10
Q514	E-9
Q516	D-6
Q517	D-6



6-7. PRINTED WIRING BOARD – A Board (Side B) – • See page 17 for Circuit Boards Location.

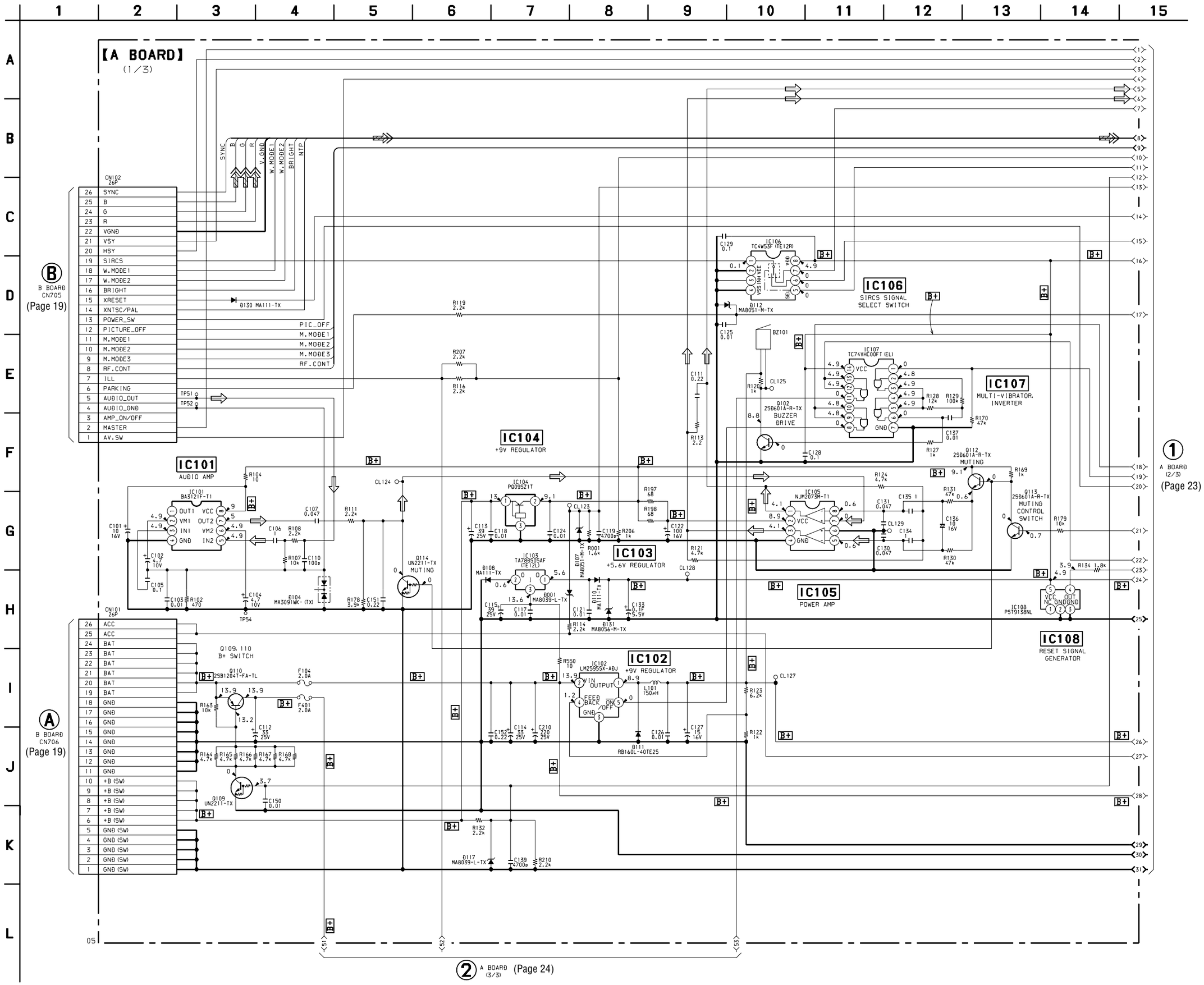
【A BOARD】(SIDE B)



- **Semiconductor Location**

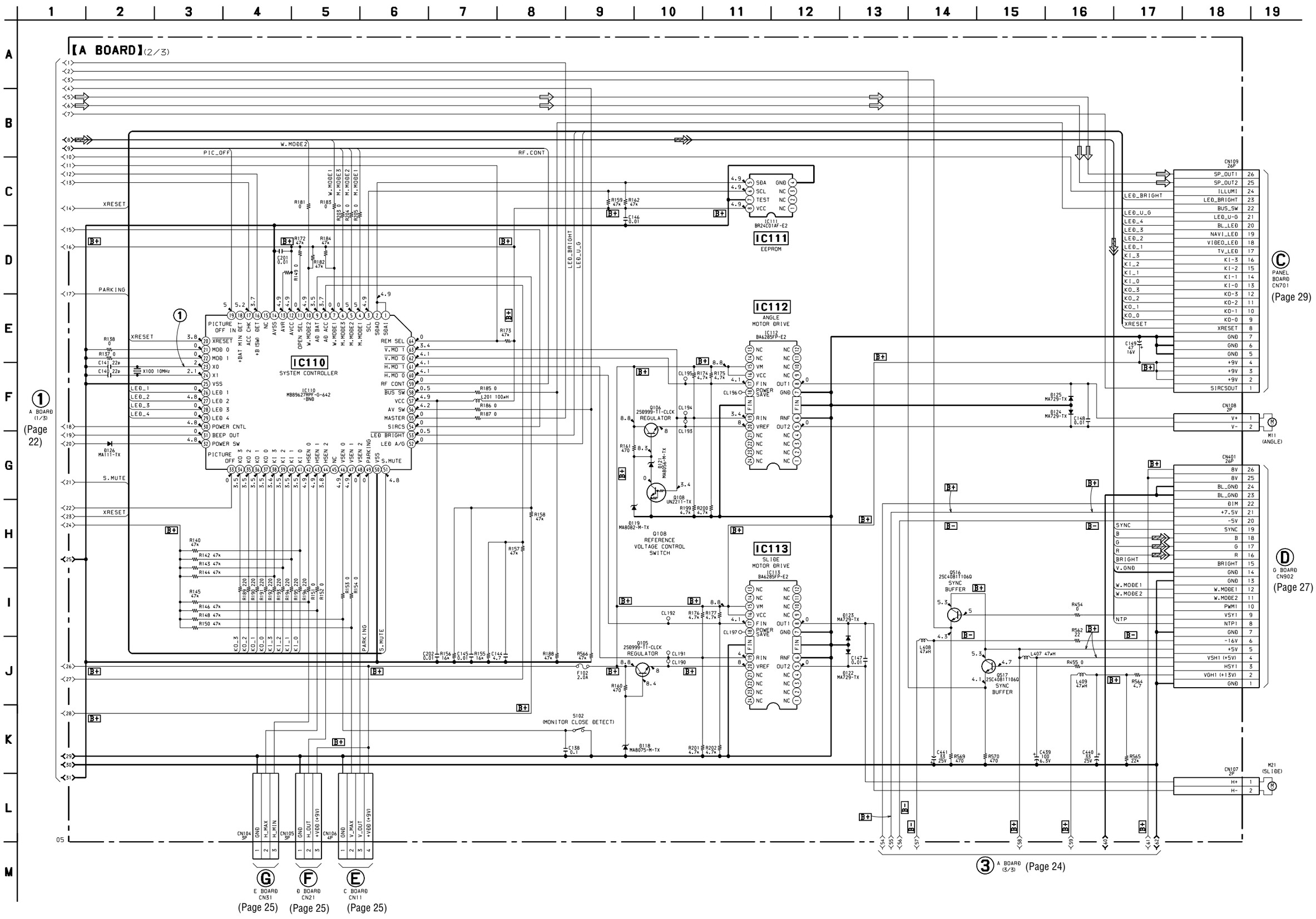
Ref. No.	Location
D001	E-2
D107	E-2
D108	I-2
D110	H-2
D112	G-3
D117	B-7
D118	D-3
D119	F-8
D121	F-8
D122	C-3
D123	C-3
D124	F-9
D125	F-9
D126	G-1
D130	C-1
D131	H-2
D503	E-8
D504	D-7
D506	E-8
D507	E-7
Q102	H-4
Q108	F-8
Q109	B-8
Q112	B-9
Q113	B-10
Q114	B-8
Q506	D-9
Q515	E-10

6-8. SCHEMATIC DIAGRAM – A Board (1/3) – • See page 31 for IC Block Diagrams.

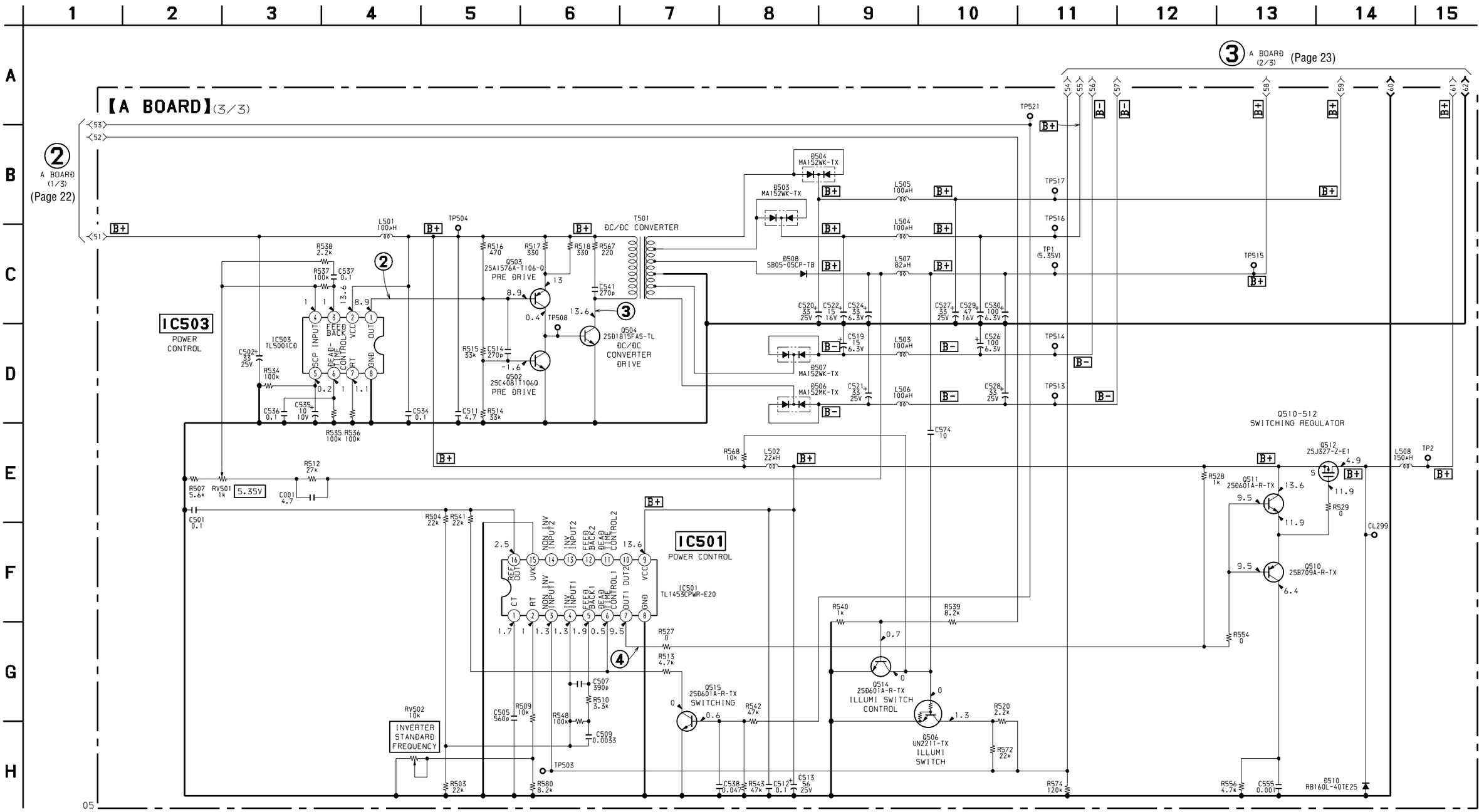


6-9. SCHEMATIC DIAGRAM – A Board (2/3) –

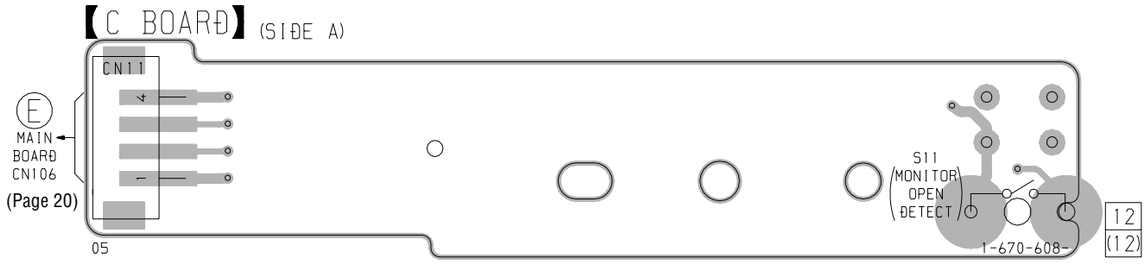
• See page 30 for Waveform. • See page 31 for IC Block Diagrams.

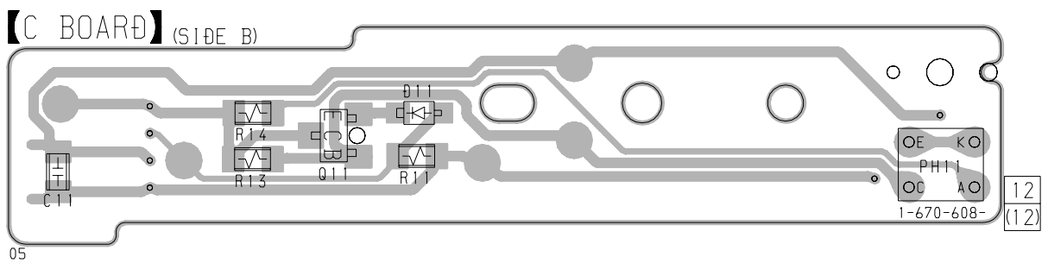


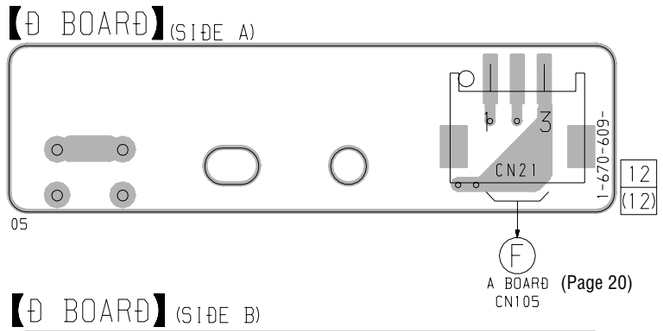
6-10. SCHEMATIC DIAGRAM – A Board (3/3) – • See page 30 for Waveforms. • See page 31 for IC Block Diagrams.

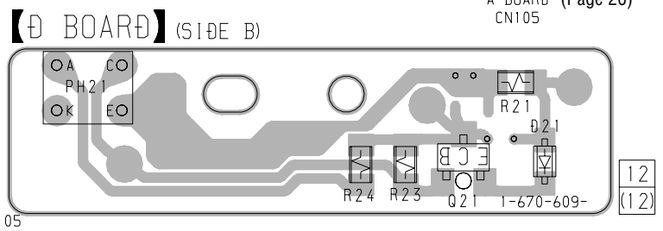


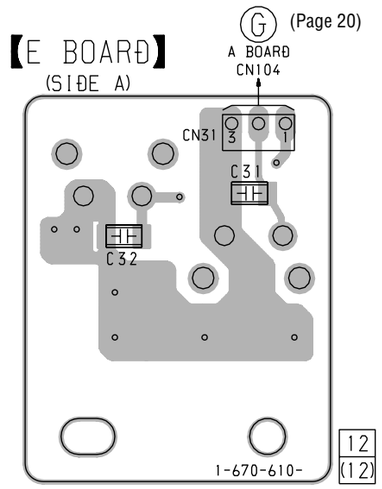
6-11. PRINTED WIRING BOARDS – SENSOR/MOTOR Section – • See page 17 for Circuit Boards Location.

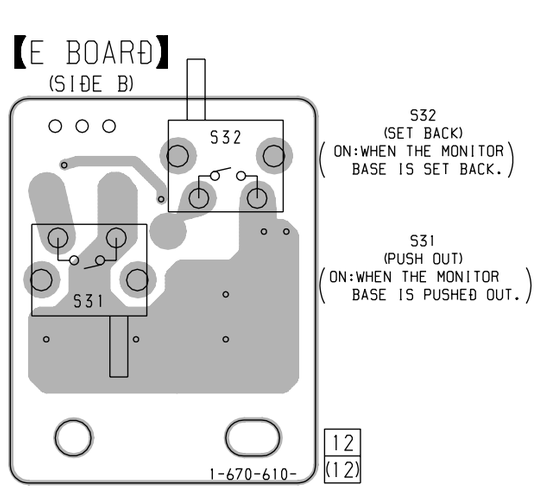




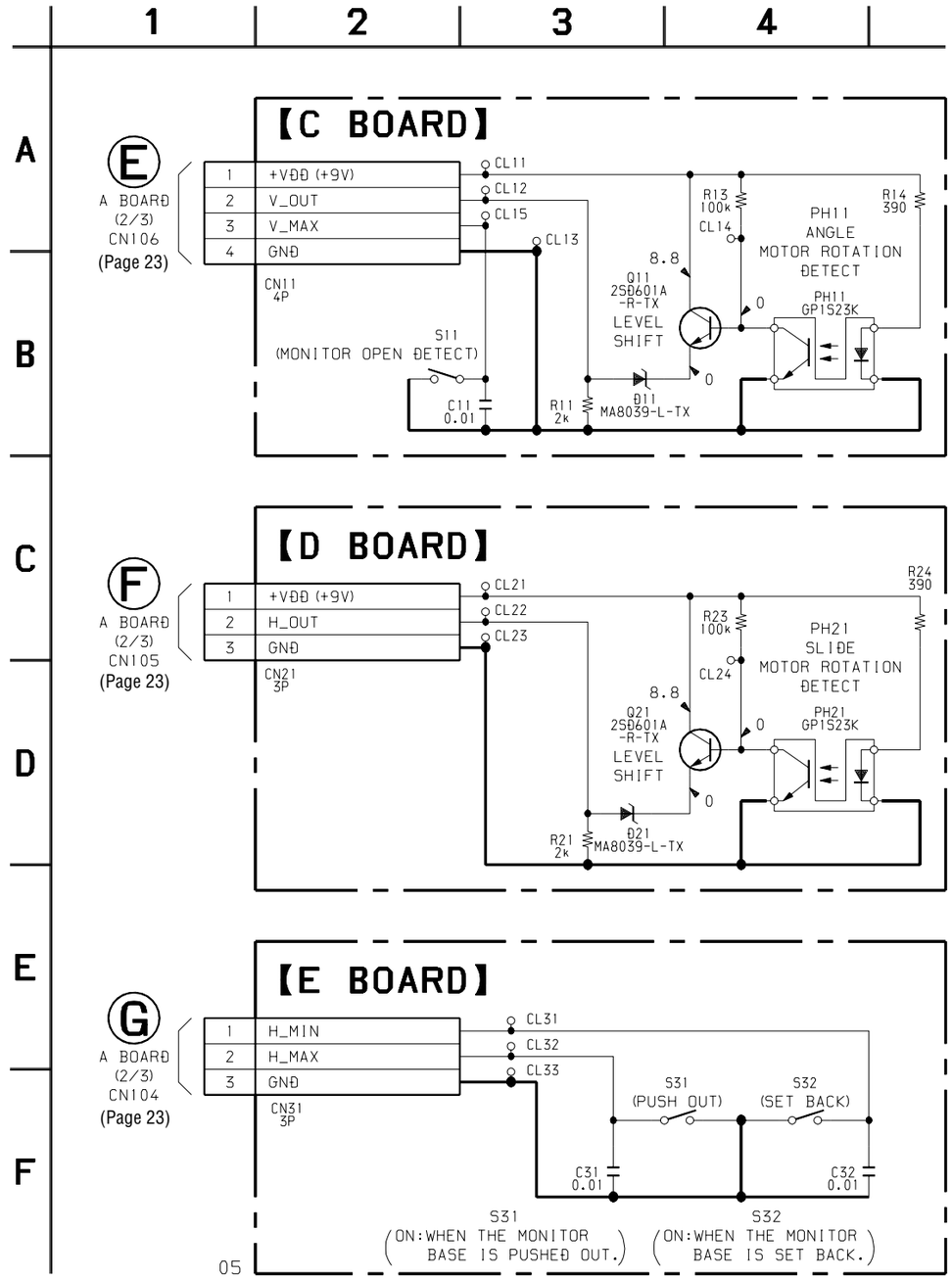




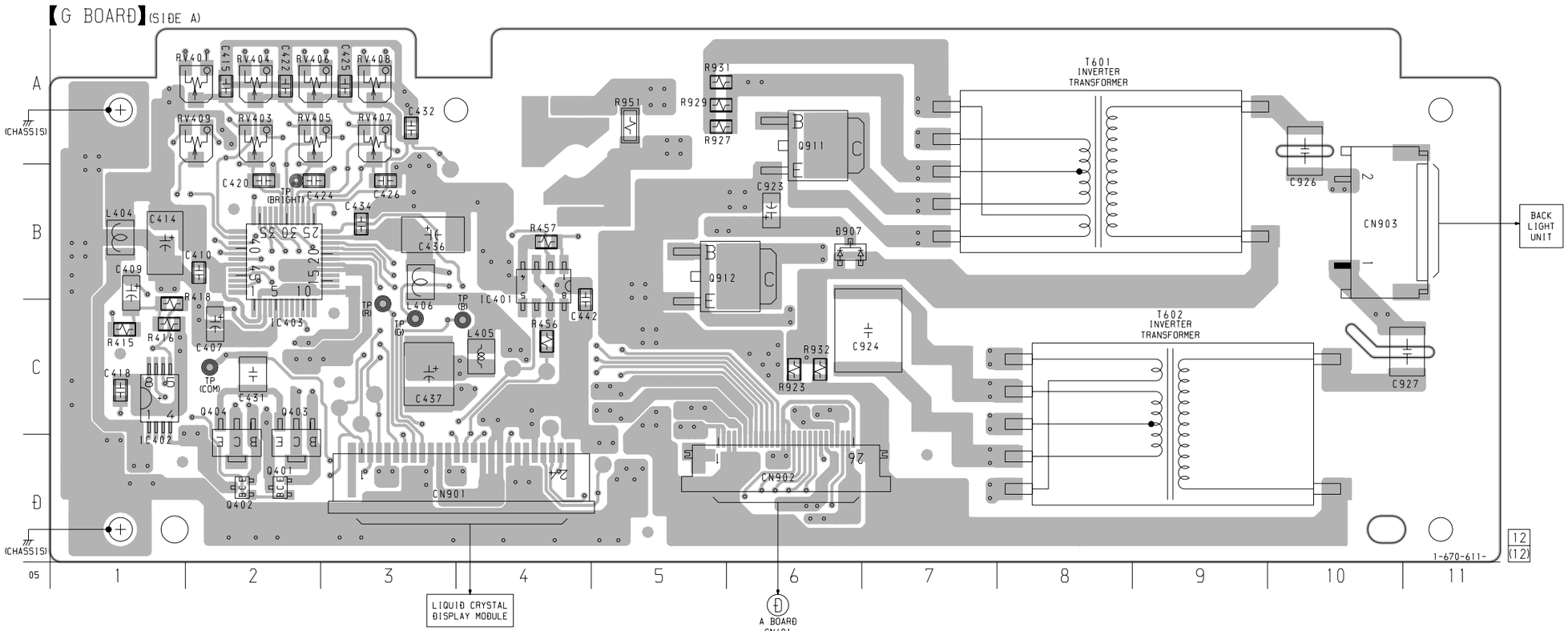




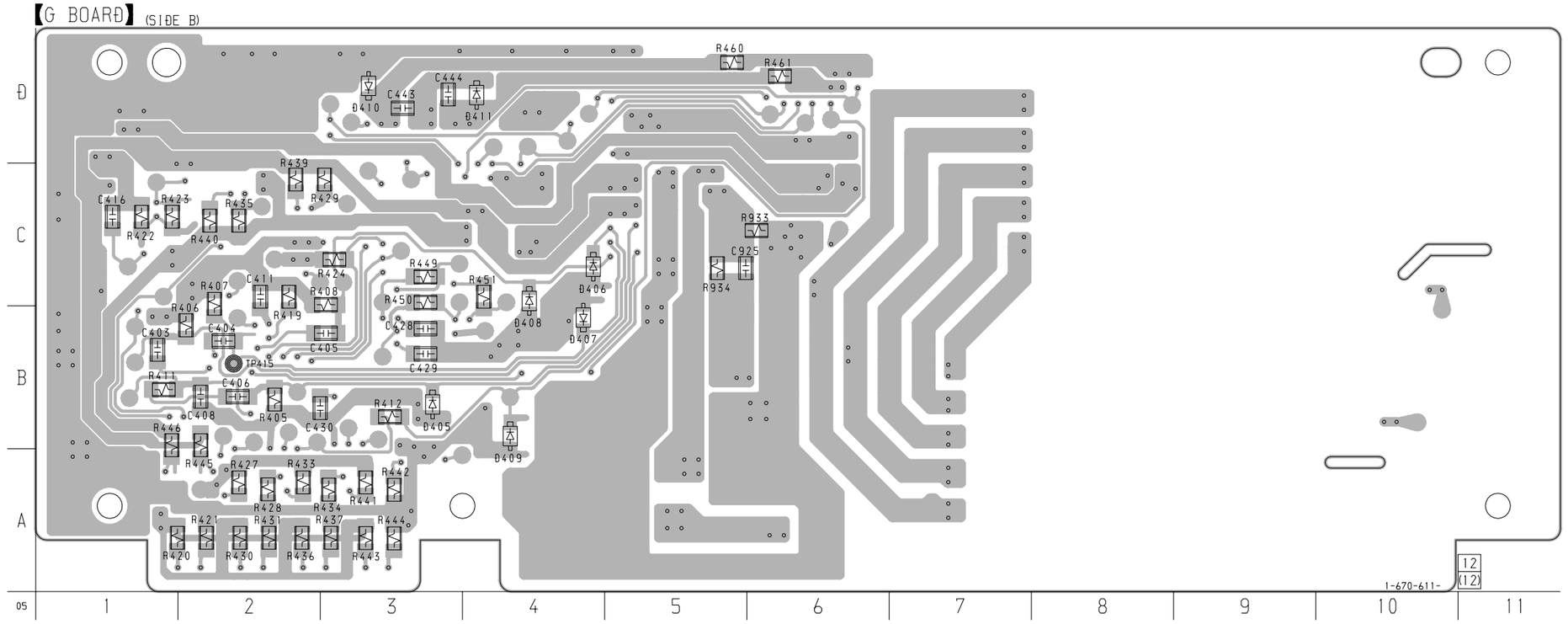
6-12. SCHEMATIC DIAGRAM – SENSOR/MOTOR Section –



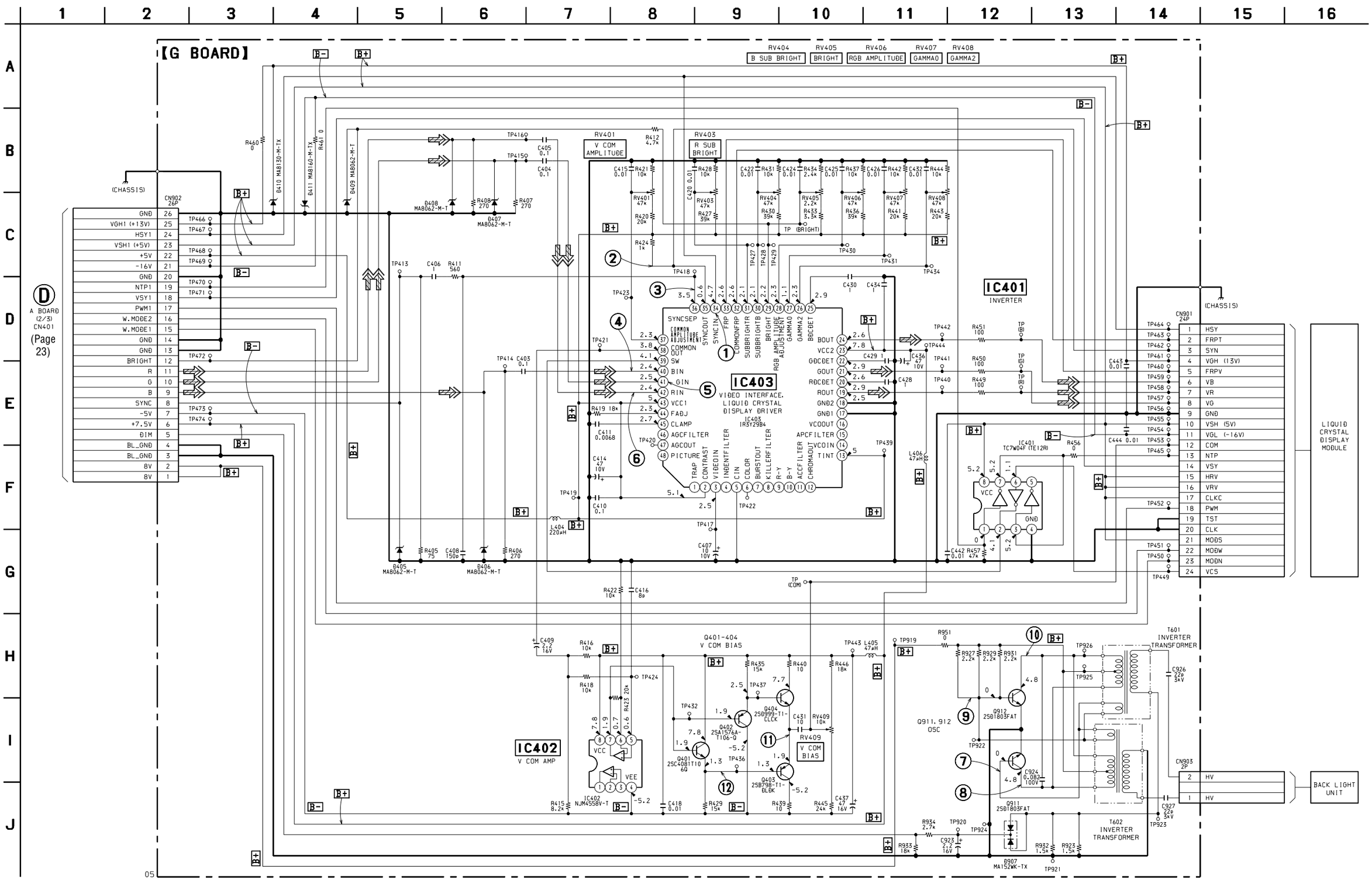
6-13. PRINTED WIRING BOARD – G Board – • See page 17 for IC Circuit Boards Location.



(Page 20)



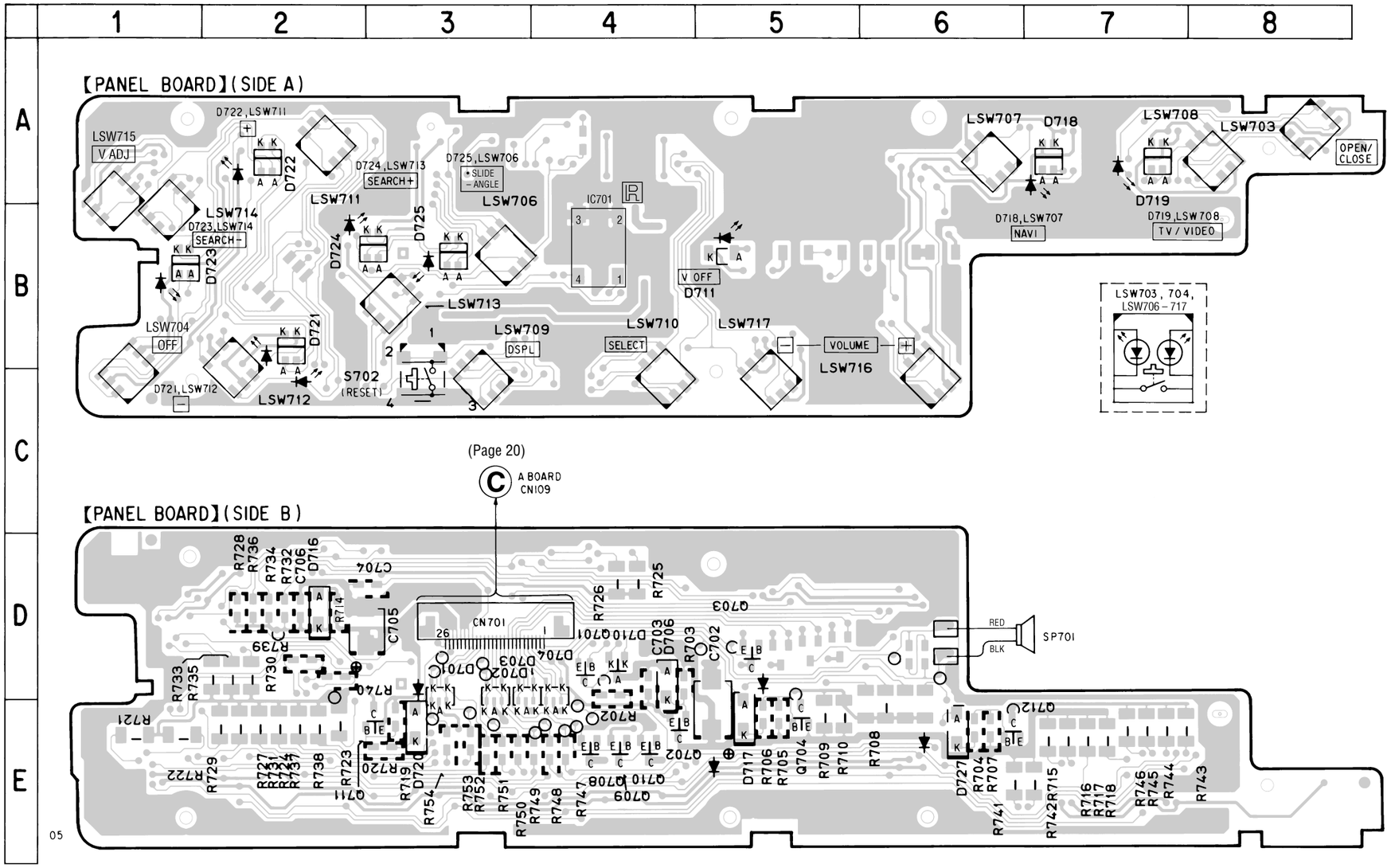
6-14. SCHEMATIC DIAGRAM – G Board – • See page 30 for IC Waveforms. • See page 31 for IC Block Diagram.



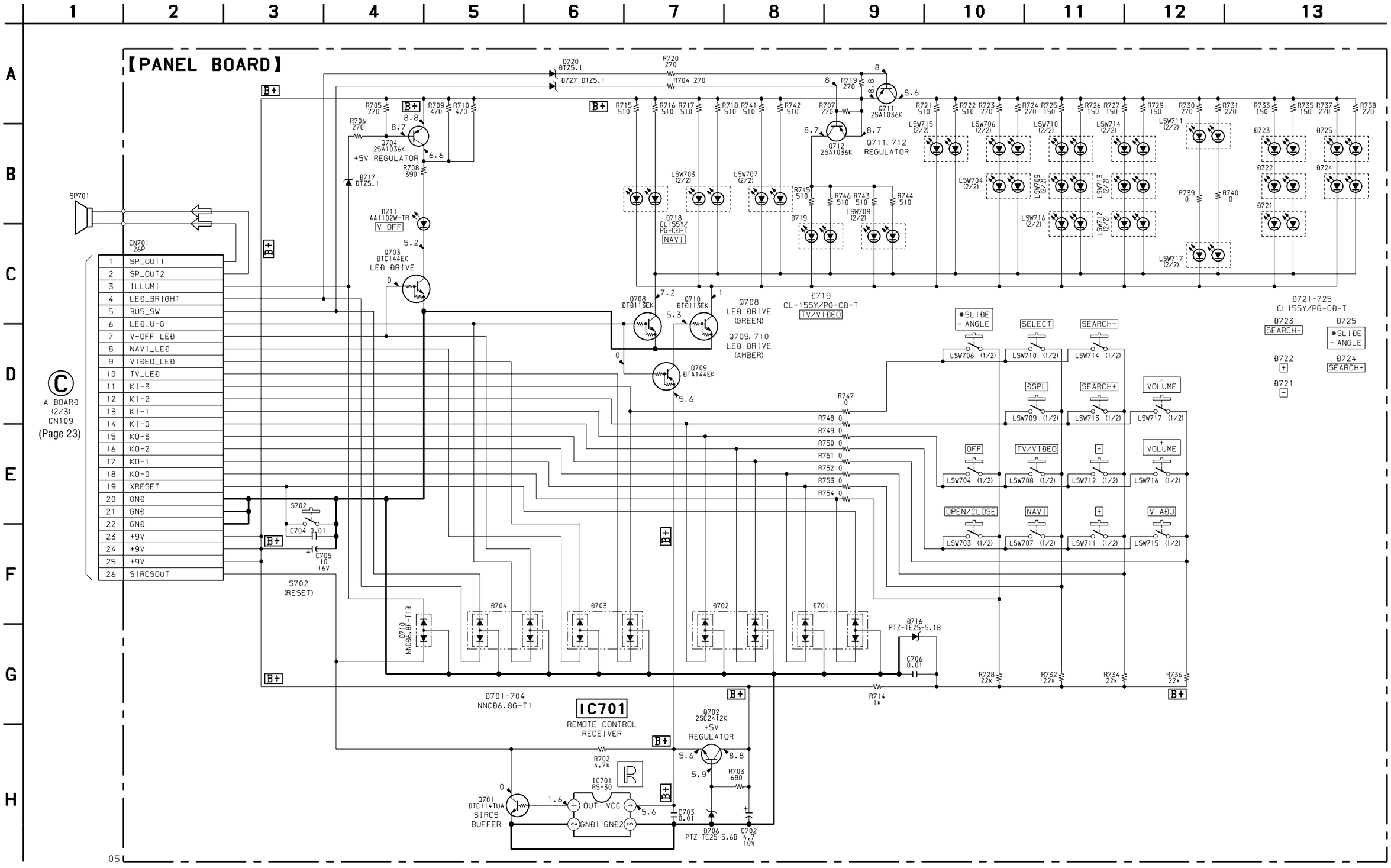
6-15. PRINTED WIRING BOARD – PANEL Board – • See page 17 for IC Circuit Boards Location.

• **Semiconductor Location**

Ref. No.	Location
D701	D-3
D702	D-3
D703	D-3
D704	D-4
D706	D-4
D710	D-4
D711	B-5
D716	D-2
D717	E-5
D718	A-7
D719	A-7
D720	E-3
D721	B-2
D722	A-2
D723	B-1
D724	B-3
D725	B-3
D727	E-6
IC701	B-4
Q701	D-4
Q702	E-4
Q703	D-5
Q704	E-5
Q708	E-4
Q709	E-4
Q710	E-4
Q711	E-3
Q712	E-6



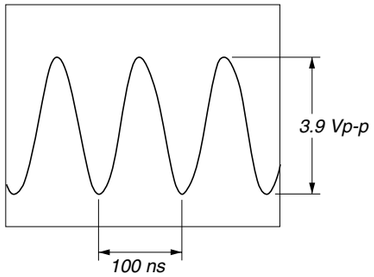
6-16. SCHEMATIC DIAGRAM – PANEL Board –



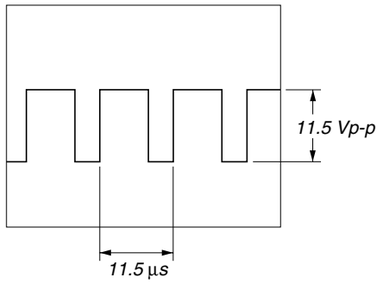
• **Waveforms**

– A Board –

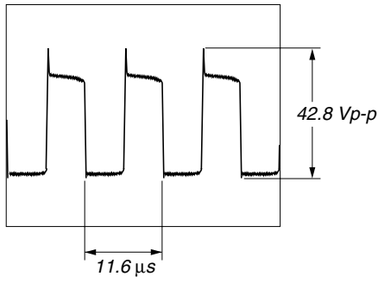
❶ IC110 ㉓ (XO)



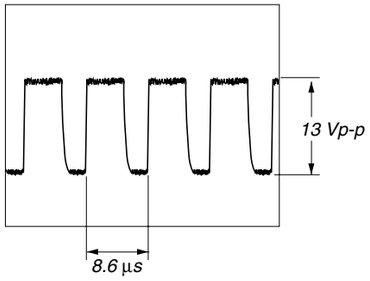
❷ IC503 ① (OUT), Q503 Base



❸ Q504 Collector

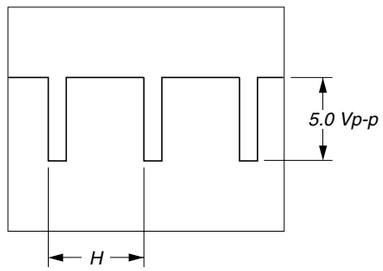


❹ IC501 ⑦ (OUT)

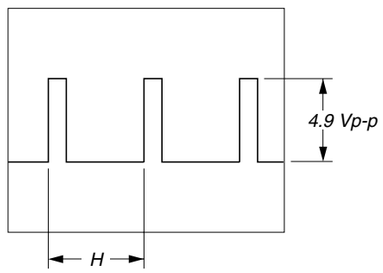


– G Board –

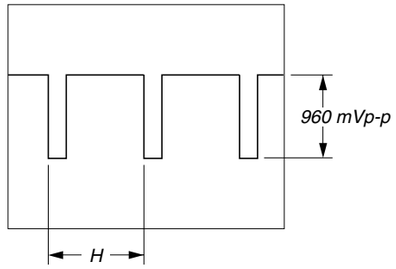
❶ IC403 ㉞ (SYNC IN)



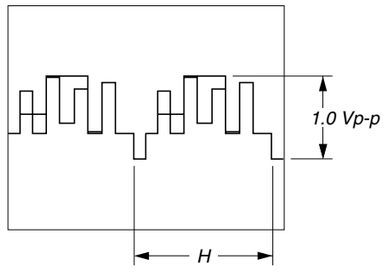
❷ IC403 ㉟ (SYNC OUT)



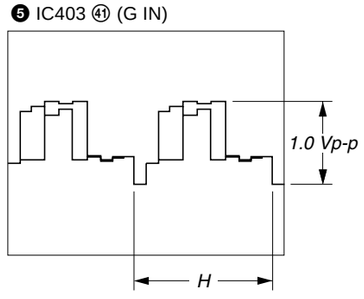
❸ IC403 ㊱ (SYNC SEP)



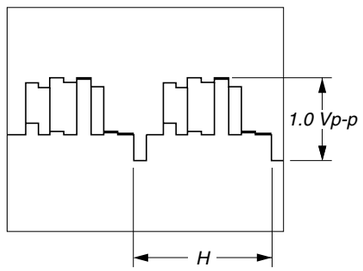
❹ IC403 ㊵ (B IN)



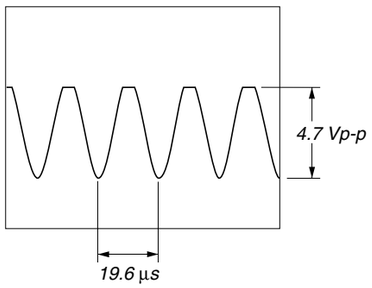
❺ IC403 ㊶ (G IN)



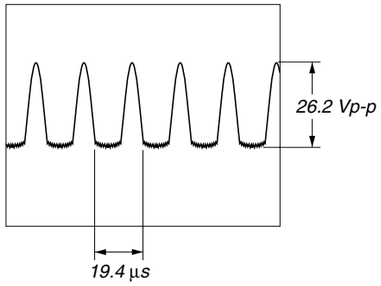
❻ IC403 ㊷ (R IN)



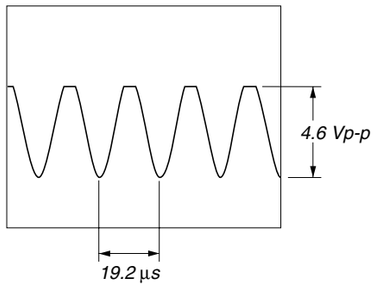
❼ Q911 Base



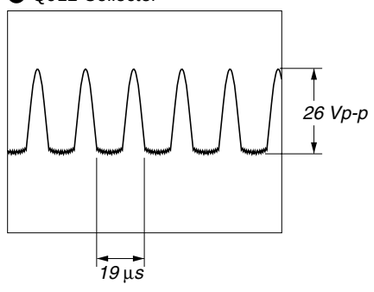
❽ Q911 Collector



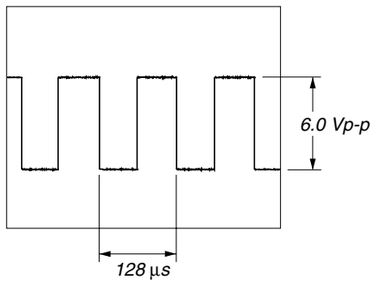
❾ Q912 Base



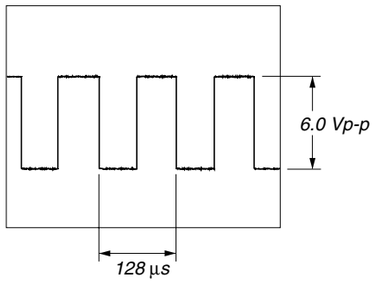
❿ Q912 Collecter



⓫ Q403, 404 Emitter

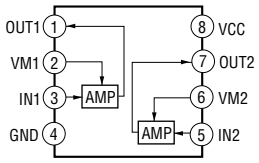


⓬ Q401 Emitter, Q403 Base

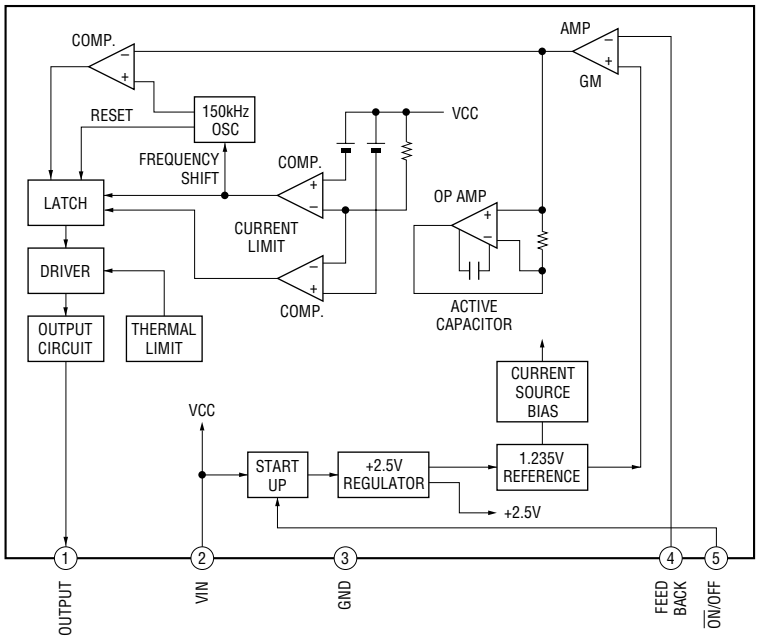


• IC Block Diagrams
– A Board –

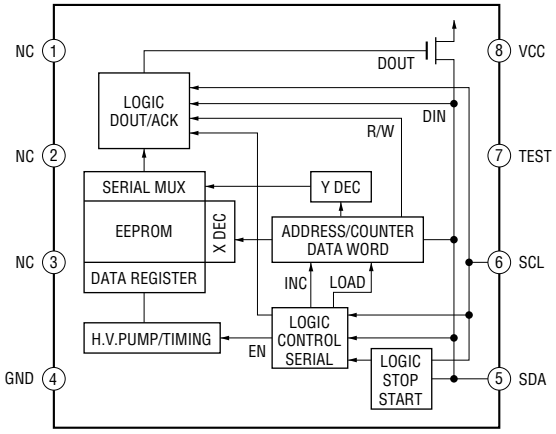
IC101 BA3121F



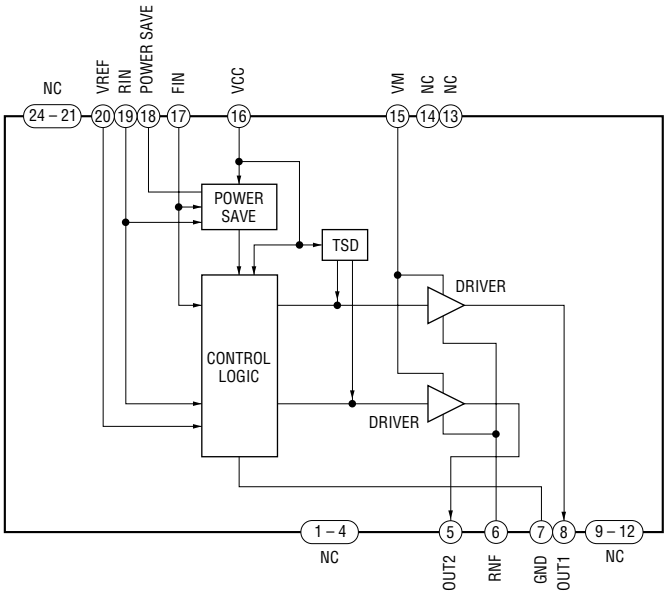
IC102 LM2595SX-ADJ



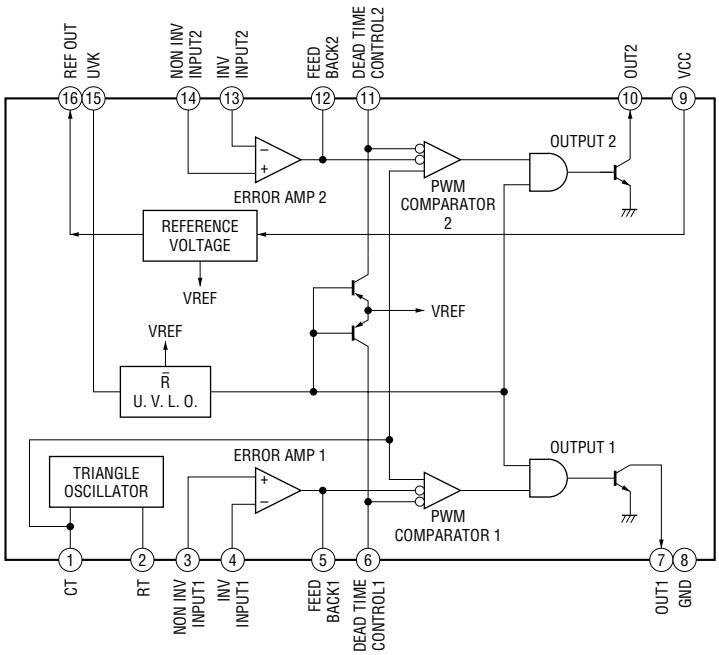
IC111 BR24C01AF-E2



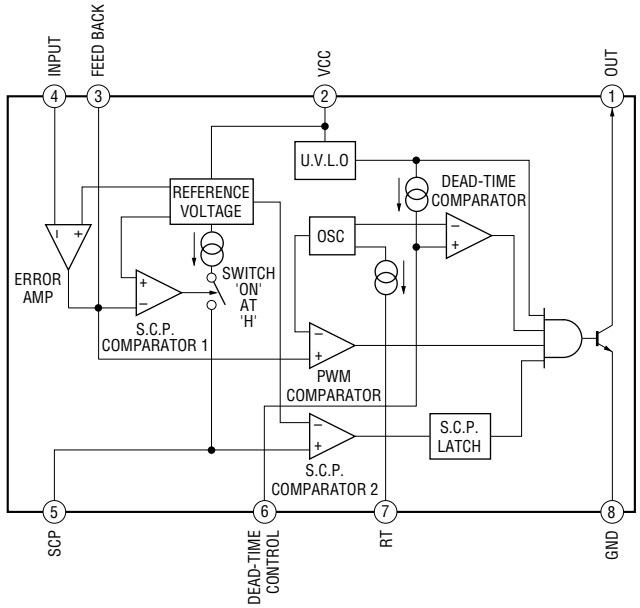
IC112, 113 BA6285FP-E2



IC501 TL453CPWR-E20

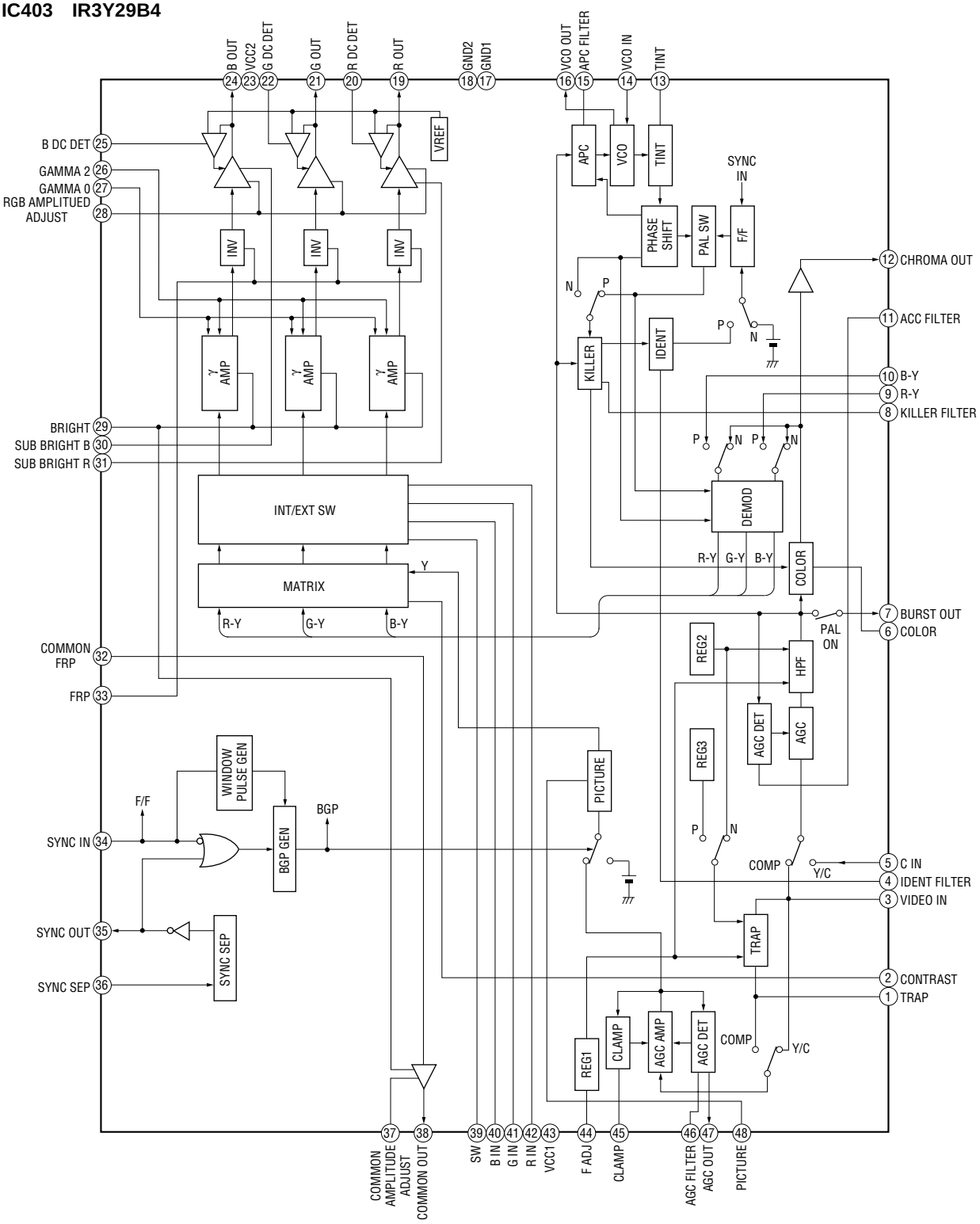


IC503 TL5001CD



– G Board –

IC403 IR3Y29B4



6-17. IC PIN FUNCTION DESCRIPTION

• A BOARD IC110 MB89627RPF-G-642-BND (SYSTEM CONTROLLER)

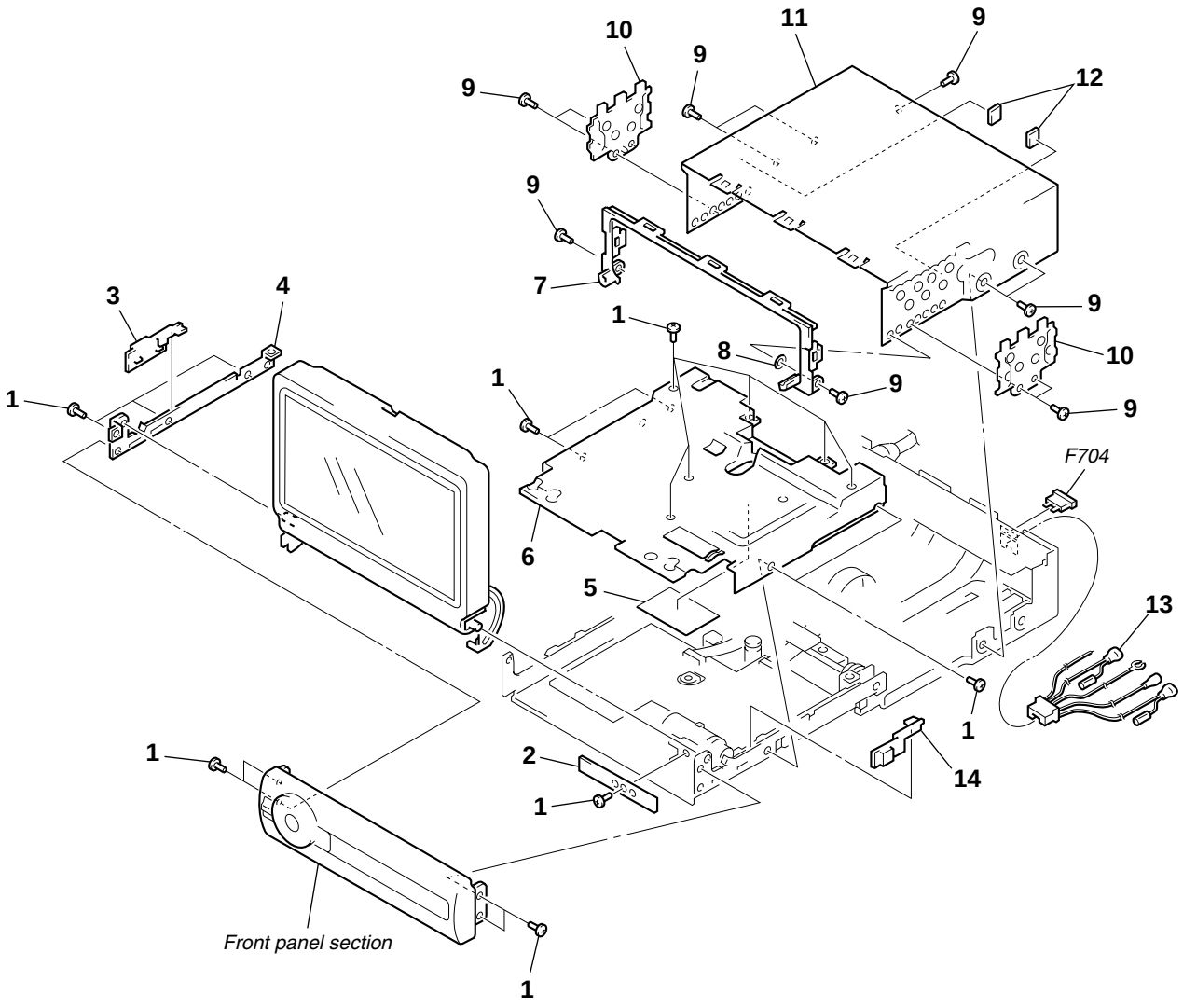
Pin No.	Pin Name	I/O	Description
1	SDAI	I	Serial data input from the EEPROM (IC111)
2	SDAO	O	Serial data output to the EEPROM (IC111)
3	SCL	O	Shift clock signal output to the EEPROM (IC111)
4	M.MODE1	I	Mode signal (1) input terminal Not used (open)
5	M.MODE2	I	Mode signal (2) input terminal Not used (open)
6	M.MODE3	I	Mode signal (3) input terminal Not used (open)
7	W.MODE1	O	Monitor display selection control signal output to the liquid crystal display module
8	AD ACC	I	Accessory voltage detection signal input terminal (A/D input) "L" is input at low voltage
9	AD BAT	I	Battery voltage detection signal input terminal (A/D input) "L" is input at low voltage
10	W.MODE2	O	Monitor display selection control signal output to the liquid crystal display module
11	OPEN SEL	I	Model check signal input terminal At the resetting, the signal at this terminal is read to check the model (fixed at "H")
12	AVCC	—	Power supply terminal (+5V) (for A/D converter)
13	AVR	I	Reference voltage (+5V) input terminal (for A/D converter)
14	AVSS	—	Ground terminal (for A/D converter)
15	NC	—	Not used (open)
16	+B (SW) DET	I	Input terminal to detect the power supply (+12V) from the TV tuner unit "H": power present
17	ACC CHK	I	Accessory detection signal input terminal "H": accessory on
18	+BAT MIN DET	—	Not used (open)
19	PICTURE OFF IN	I	Picture off control signal input from the TV tuner unit
20	$\overline{\text{XRESET}}$	I	System reset signal input from the TV tuner unit, reset signal generator (IC108) and reset switch (S702) "L": reset "L" is input for several 100 msec after power on, then it changes to "H"
21	MOD 0	I	Setting terminal for the CPU operational mode (fixed at "H" in this set)
22	MOD 1	I	Setting terminal for the CPU operational mode (fixed at "H" in this set)
23	X0	I	Main system clock input terminal (10 MHz)
24	X1	O	Main system clock output terminal (10 MHz)
25	VSS	—	Ground terminal
26 to 28	LED 1 to LED 3	O	LED drive signal output terminal "H": LED on Not used (fixed at "L")
29	LED 4	O	LED drive signal output of the V OFF (D711) indicator "H": LED on
30	POWER CNTL	O	Power supply (+9V) on/off control signal output of the sensor circuit/motor circuit/panel block "H": power on
31	BEEP OUT	O	Beep sound drive signal output terminal
32	POWER SW	O	Power supply on/off control signal output to the TV tuner unit "H": power on
33	PICTURE OFF	O	"H" is output to TL1453CPWR (IC501) in power circuit by the signal input to pin ⑲ to turn off the picture
34 to 37	KO 3 to KO 0	O	Key send signal output to the key matrix
38 to 41	KI 3 to KI 0	I	Key return signal input from the key matrix
42	HSEN 0	I	Set back detect switch (S32) input terminal "L" is input when monitor base is housed completely "H" is input at other position
43	HSEN 1	I	Push out detect switch (S31) input terminal "L" is input when monitor base comes out to the front ("L" is also input during watching of picture)

Pin No.	Pin Name	I/O	Description
44	HSEN 2	I	Slide motor (M21) rotation sensor input terminal This is also used for monitor horizontal position adjustment
45	NC	—	Not used (open)
46	VSEN 0	I	Monitor close detect switch (S102) input terminal "L" is input when monitor falls down completely, "H" is input at other position
47	VSEN 1	I	Monitor open detect switch (S11) input terminal "L" is input when monitor rises up completely, "H" is input at other position
48	VSEN 2	I	Angle motor (M11) rotation sensor input terminal This is also used for monitor tilt angle adjustment
49	PARKING	I	Parking brake sensor input terminal "L" is input during parking, "H" is input during running
50	VSS	—	Ground terminal
51	S.MUTE	O	Power on muting control signal output to the power amplifier (IC105) "H": muting on
52	LED A/G	O	Selection signal output of the LED illumination "L": amber, "H": green
53	$\overline{\text{LED BRIGHT}}$	O	LED drive signal output of the –, +, SEARCH –, SEARCH +, ANGLE SLIDE, OFF, DSPL, SELECT, V ADJ, VOLUME +/– (D721 to 725, LSW704, 706, 709 to 717) indicators "L": LED on
54	SIRCS	O	Sircs remote control signal input from the remote control receiver (IC701)
55	MASTER	I	Control signal input terminal Not used (open)
56	AV SW	I	Control signal input terminal Not used (open)
57	VCC	—	Power supply terminal (+5V)
58	$\overline{\text{BUS SW}}$	O	LED drive signal output of the TV/VIDEO (D719, LSW708) indicators "L": LED on
59	RF CONT	O	Not used (open)
60	$\overline{\text{H.MO 0}}$	O	Slide motor (M21) drive signal output "L" active
61	$\overline{\text{H.MO 1}}$	O	Slide motor (M21) drive signal output "L" active
62	$\overline{\text{V.MO 0}}$	O	Angle motor (M11) drive signal output "L" active
63	$\overline{\text{V.MO 1}}$	O	Angle motor (M11) drive signal output "L" active
64	REM SEL	O	Signal is output to select sircs remote control signal output from remote control receiver (IC701) and SIRCS (pin ⑭) "L": Signal from IC701, "H": Signal from SIRCS (pin ⑭)

SECTION 7
EXPLODED VIEWS

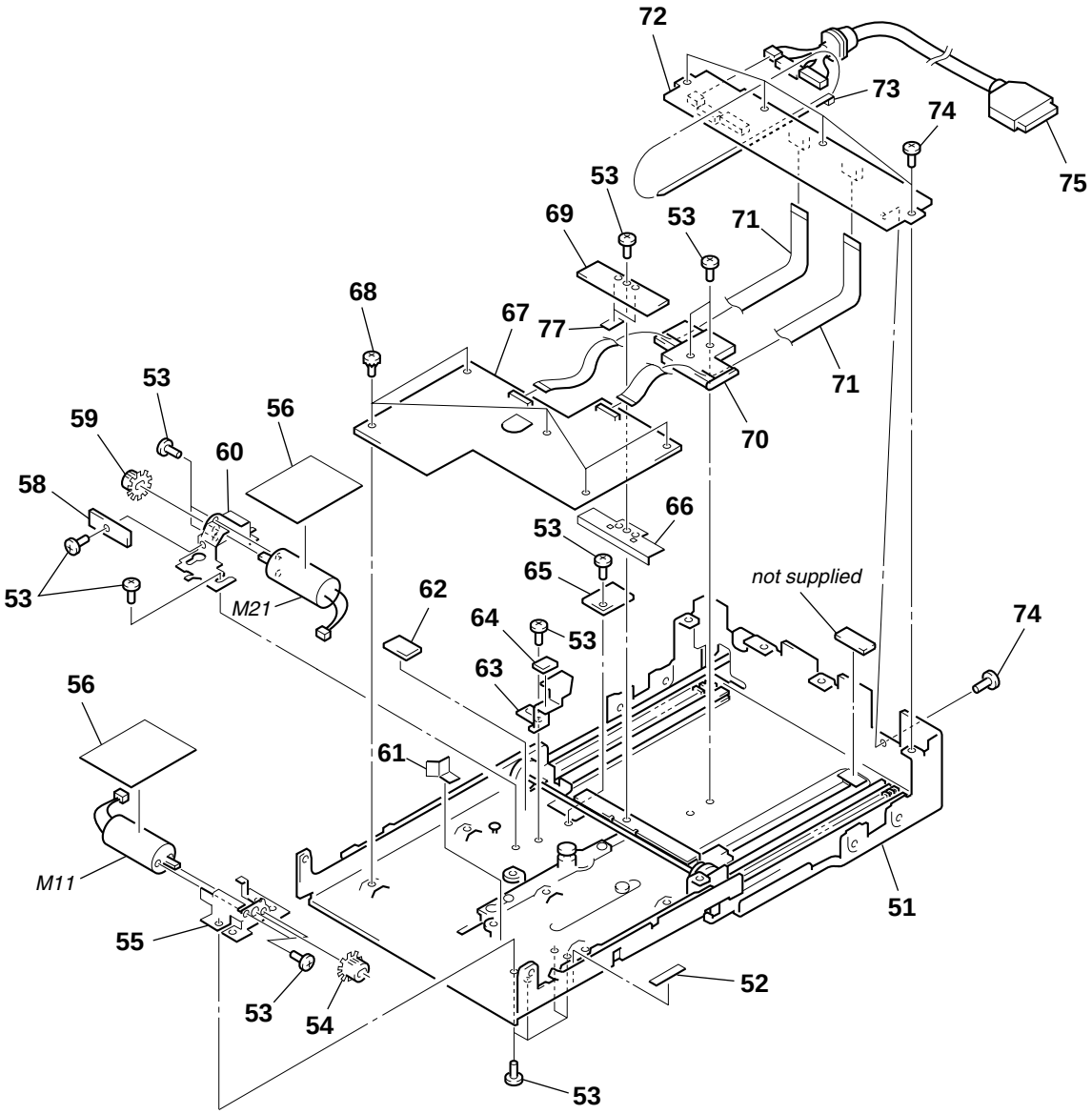
NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories and packing materials are given in the last of the electrical parts list.

(1) GENERAL SECTION



Ref. No.	Part No.	Description	Remark
1	4-931-871-01	SCREW (M2X3)	
* 2	1-670-608-12	C BOARD	
* 3	3-027-951-02	KNOB (L), SLIDER	
* 4	3-027-946-01	PLATE, SIDE	
* 5	3-032-376-01	SHEET, COPPER LEAF	
* 6	3-027-948-01	COVER	
* 7	3-027-957-11	FRAME, FRONT	
* 8	3-033-754-01	SHEET (UPPER CASE)	
9	7-621-773-86	SCREW +B 2.6X4	
* 10	3-027-945-01	BRACKET, CAR MOUNT	
* 11	3-027-944-01	CHASSIS (UPPER)	
* 12	3-027-962-01	CUSHION (MONITOR STOPPER)	
13	1-783-609-21	CORD (WITH CONNECTOR) 10P (POWER)	
* 14	3-027-950-02	KNOB (R), SLIDER	
F704	1-532-796-11	FUSE (BLADE TYPE) (AUTO FUSE) (5A)	

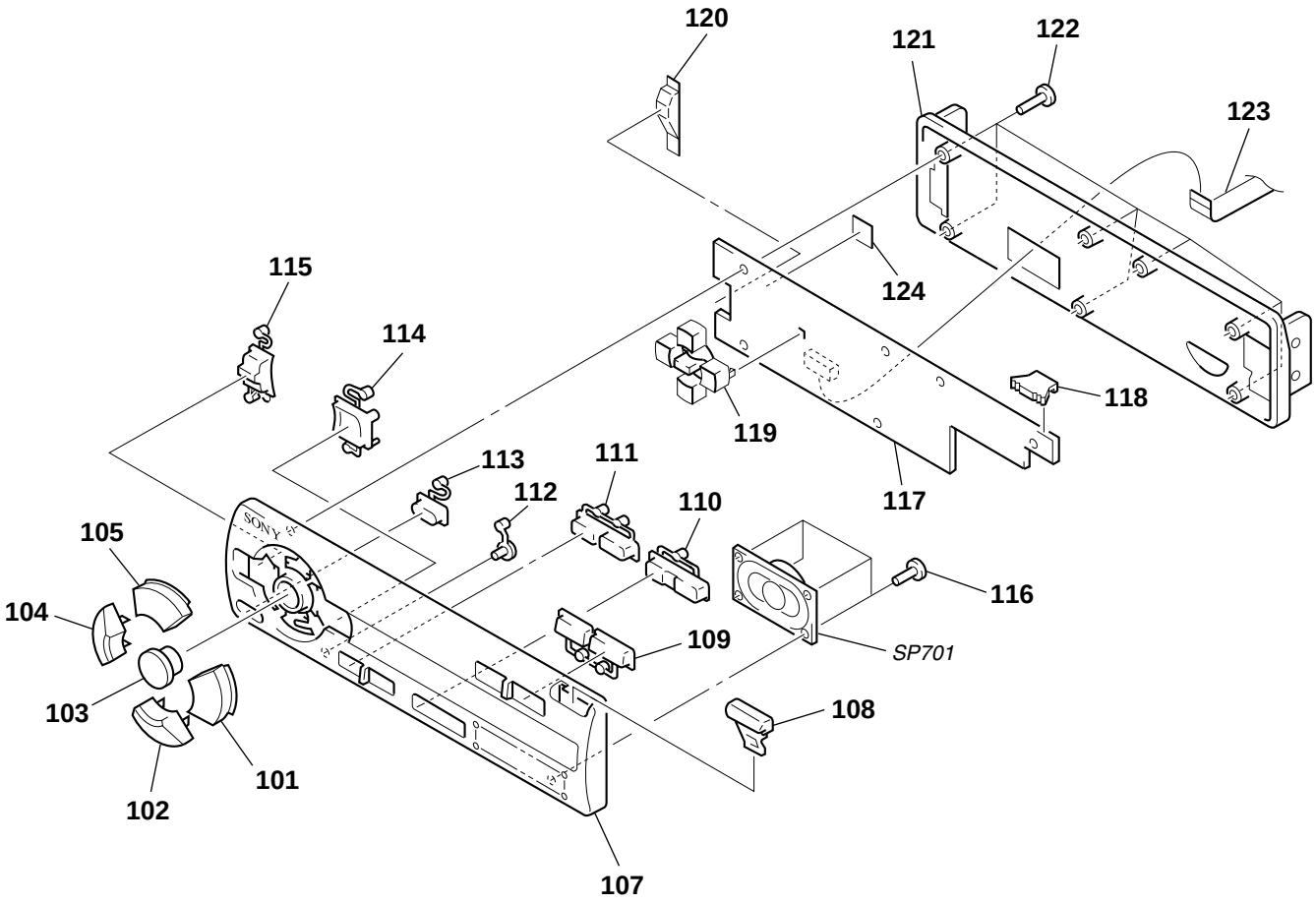
(2) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
* 51	X-3376-032-2	CHASSIS (LOWER) ASSY	
* 52	3-032-801-01	SHEET (SLIDER)	
53	4-931-871-01	SCREW (M2X3)	
54	3-027-943-01	GEAR (MONITOR), MOTOR	
* 55	3-027-942-01	BRACKET (MONITOR MOTOR)	
56	3-027-965-01	RUBBER, VIBRATION PROOF	
* 58	1-670-609-12	D BOARD	
59	3-027-949-01	GEAR (SLIDE), MOTOR	
* 60	3-027-947-01	BRACKET (SLIDE MOTOR)	
* 61	3-027-933-01	PROTECTOR, MM HARNESS	
* 62	3-032-085-01	SHEET (SLIDE MOTOR)	
* 63	3-031-587-01	BRACKET (MONITOR STOPPER)	
* 64	3-027-962-01	CUSHION (MONITOR STOPPER)	
* 65	1-670-610-12	E BOARD	

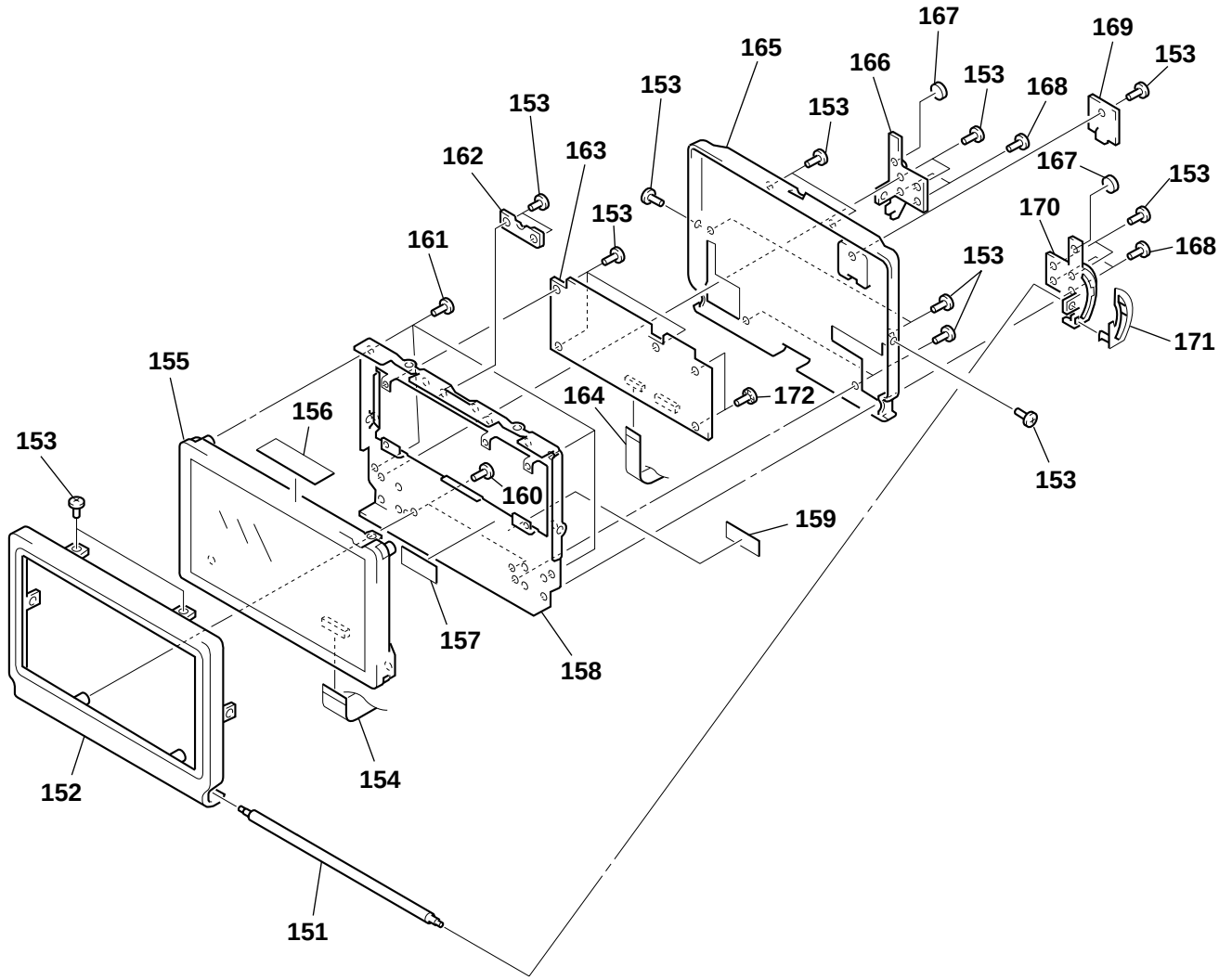
Ref. No.	Part No.	Description	Remark
* 66	3-027-964-01	SHEET (FFC)	
* 67	A-3317-279-A	A BOARD, COMPLETE	
68	3-941-545-01	SCREW (M2X4), +P	
* 69	3-027-960-01	COVER (1), FFC	
* 70	3-027-961-01	COVER (2), FFC	
71	1-783-614-11	CABLE, FLAT 26P	
* 72	A-3317-281-A	B BOARD, COMPLETE	
* 73	3-655-653-01	BAND (TAITON), BINDING	
74	7-621-773-86	SCREW +B 2.6X4	
75	1-790-173-12	CORD, CONNECTION (for TV TUNER UNIT)	
* 77	3-032-802-01	SHEET (FFC COVER 1)	
M11	1-763-115-11	MOTOR, DC (SMALL TYPE) (ANGLE)	
M21	1-763-114-11	MOTOR, DC (SMALL TYPE) (SLIDE)	

(3) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	9-881-999-01	SERCH/CH KEY (SERCH +)	
102	9-882-001-01	SERCH/CH KEY (-)	
103	9-882-004-01	ENTER KEY	
104	9-882-002-01	SERCH/CH KEY (SERCH -)	
105	9-882-000-01	SERCH/CH KEY (+)	
107	9-881-990-01	FRONT PANEL	
108	9-881-993-01	OPEN/CLOSE KEY	
109	9-881-992-01	NAVI TV/VIDEO KEY	
110	9-881-994-01	VOL +/- KEY	
111	9-881-995-01	DISPLAY KEY	
112	9-882-003-01	RESET KEY	
113	9-881-997-01	OFF KEY	
114	9-881-996-01	ANGLE/SLIDE KEY	
115	9-881-998-01	V ADJ KEY	
116	3-018-974-01	SCREW (2X5)	
* 117	9-882-029-01	PANEL BOARD, COMPLETE	
118	9-882-045-01	REFLECTION BOARD B	
119	9-882-027-11	REFLECTION BOARD A	
120	9-882-028-01	BLIND SHEET	
121	9-881-991-01	REAR PANEL	
122	3-719-408-01	SCREW (B2), TAPPING, P3 (STEEL)	
123	9-882-023-01	FLAT CABLE 26P	
124	3-038-333-01	PROTECTOR, FP	
SP701	1-505-588-11	SPEAKER (3.5X2cm)	

(4) MONITOR SECTION



Ref. No.	Part No.	Description	Remark
* 151	3-027-936-01	SHAFT (MONITOR)	
152	3-027-939-11	CABINET, MONITOR (FRONT)	
153	4-931-871-01	SCREW (M2X3)	
154	1-783-611-11	CABLE, FLAT 24P	
155	1-803-141-11	DISPLAY PANEL, LIQUID CRYSTAL	
* 156	3-030-472-01	SHEET, BLACK	
* 157	3-027-952-01	PROTECTOR, FFC	
* 158	3-027-919-01	FRAME, MONITOR	
* 159	3-033-105-01	SHEET (L), BLACK	
160	3-713-790-21	SCREW (M2X6), TAPPING, P3	
161	3-016-188-01	SCREW (2.6X5)	
162	3-027-941-01	PLATE, MONITOR FIXED	
* 163	A-3317-076-A	G BOARD, COMPLETE	
164	1-783-613-11	CABLE, FLAT 26P	
165	3-027-940-02	CABINET, MONITOR (REAR)	
* 166	3-027-938-02	GEAR (L), MONITOR	
167	3-032-813-01	CUSHION (MONITOR GEAR)	
168	7-621-775-20	SCREW +B 2.6X5	
169	3-027-958-01	LID, VOL	
* 170	3-027-937-02	GEAR (R), MONITOR	
* 171	3-030-471-01	COVER (MONITOR GEAR R)	
172	3-941-545-01	SCREW (M2X4), +P	

A

SECTION 8
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	A-3317-279-A	A BOARD, COMPLETE			
		**********			
		< BUZZER >			
BZ101	1-504-920-11	BUZZER			
		< CAPACITOR >			
C001	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C101	1-104-913-11	TANTALUM CHIP	10uF	20%	16V
C102	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C103	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C104	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C105	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C106	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C107	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C110	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C111	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C112	1-128-078-11	ELECT	33uF	20%	25V
C113	1-124-943-11	ELECT	39uF	20%	25V
C114	1-128-078-11	ELECT	33uF	20%	25V
C115	1-124-943-11	ELECT	39uF	20%	25V
C117	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C118	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C119	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C121	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C122	1-126-968-11	ELECT	100uF	20%	16V
C124	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C125	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C126	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C127	1-127-498-00	ELECT	15uF	20%	16V
C128	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C129	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C130	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C131	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C133	1-125-710-31	DOUBLE LAYER	0.1F		5.5V
C134	1-107-682-11	CERAMIC CHIP	1uF	10%	16V
C135	1-107-682-11	CERAMIC CHIP	1uF	10%	16V
C136	1-126-320-11	ELECT	10uF	20%	16V
C137	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C138	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C139	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C140	1-163-235-11	CERAMIC CHIP	22uF	5%	50V
C141	1-163-235-11	CERAMIC CHIP	22uF	5%	50V

Ref. No.	Part No.	Description			Remark
C144	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C145	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C146	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C147	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C148	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C149	1-124-589-11	ELECT	47uF	20%	16V
C150	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C151	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C152	1-164-299-11	CERAMIC CHIP	0.22uF	10%	25V
C201	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C202	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C210	1-107-889-11	ELECT	220uF	20%	25V
C439	1-126-155-11	ELECT	100uF	20%	6.3V
C440	1-128-078-11	ELECT	33uF	20%	25V
C441	1-128-078-11	ELECT	33uF	20%	25V
C501	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C502	1-128-078-11	ELECT	33uF	20%	25V
C505	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C507	1-163-131-00	CERAMIC CHIP	390PF	10%	50V
C509	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V
C511	1-125-835-11	CERAMIC	4.7uF	10%	25V
C512	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C513	1-115-827-11	ELECT	56uF	20%	25V
C514	1-163-002-11	CERAMIC CHIP	270PF	10%	50V
C519	1-127-559-11	ELECT	15uF	20%	6.3V
C520	1-128-078-11	ELECT	33uF	20%	25V
C521	1-128-078-11	ELECT	33uF	20%	25V
C522	1-127-498-00	ELECT	15uF	20%	16V
C524	1-127-561-11	ELECT	33uF	20%	6.3V
C526	1-126-155-11	ELECT	100uF	20%	6.3V
C527	1-128-078-11	ELECT	33uF	20%	25V
C528	1-128-078-11	ELECT	33uF	20%	25V
C529	1-124-589-11	ELECT	47uF	20%	16V
C530	1-126-155-11	ELECT	100uF	20%	6.3V
C534	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C535	1-104-851-11	TANTALUM CHIP	10uF	20%	10V
C536	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C537	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C538	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C541	1-163-002-11	CERAMIC CHIP	270PF	10%	50V
C555	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C574	1-117-808-11	CERAMIC CHIP	10uF	10%	10V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN101	1-573-935-11	CONNECTOR, FFC/FPC (ZIF) 26P	
CN102	1-573-935-11	CONNECTOR, FFC/FPC (ZIF) 26P	
* CN104	1-580-056-21	PIN, CONNECTOR (SMD) 3P	
* CN105	1-580-056-21	PIN, CONNECTOR (SMD) 3P	
* CN106	1-580-057-11	PIN, CONNECTOR (SMD) 4P	
CN107	1-580-055-21	PIN, CONNECTOR (SMD) 2P	
* CN108	1-580-055-21	PIN, CONNECTOR (SMD) 2P	
CN109	1-573-366-21	CONNECTOR, FFC/FPC 26P	
CN401	1-573-366-21	CONNECTOR, FFC/FPC 26P	
		< DIODE >	
D001	8-719-422-16	DIODE MA8039-L-TX	
D104	8-719-026-18	DIODE MA3091WK- (TX)	
D107	8-719-420-90	DIODE MA8051-M-TX	
D108	8-719-073-01	DIODE MA111-TX	
D110	8-719-073-01	DIODE MA111-TX	
D111	8-719-048-98	DIODE RB160L-40TE25	
D112	8-719-420-90	DIODE MA8051-M-TX	
D117	8-719-422-16	DIODE MA8039-L-TX	
D118	8-719-422-76	DIODE MA8075-M	
D119	8-719-420-14	DIODE MA8082-M	
D121	8-719-977-03	DIODE MA8056-M-TX	
D122	8-719-420-51	DIODE MA729-TX	
D123	8-719-420-51	DIODE MA729-TX	
D124	8-719-420-51	DIODE MA729-TX	
D125	8-719-420-51	DIODE MA729-TX	
D126	8-719-073-01	DIODE MA111-TX	
D130	8-719-073-01	DIODE MA111-TX	
D131	8-719-977-03	DIODE MA8056-M-TX	
D503	8-719-801-78	DIODE MA152WK-TX	
D504	8-719-801-78	DIODE MA152WK-TX	
D506	8-719-801-78	DIODE MA152WK-TX	
D507	8-719-801-78	DIODE MA152WK-TX	
D508	8-719-938-75	DIODE SB05-05CP-TB	
D510	8-719-048-98	DIODE RB160L-40TE25	
		< FUSE >	
F102	1-533-950-11	FUSE, CHIP (2A)	
F104	1-533-950-11	FUSE, CHIP (2A)	
F401	1-533-950-11	FUSE, CHIP (2A)	
		< IC >	
IC101	8-759-048-67	IC BA3121F	
IC102	8-759-541-39	IC LM2595SX-ADJ	
IC103	8-759-548-13	IC TA78DS05AF (TE12L)	
IC104	8-759-170-92	IC PQ09SZ1T	
IC105	8-759-701-02	IC NJM2073M	
IC106	8-759-242-64	IC TC4W53F	
IC107	8-759-523-78	IC TC74VHC00FT (EL)	
IC108	8-759-562-07	IC PST9138NL	
IC110	8-759-588-71	IC MB89627RPF-G-642-BND	
IC111	8-759-484-73	IC BR24C01AF-E2	
IC112	8-759-276-89	IC BA6285FP-E2	
IC113	8-759-276-89	IC BA6285FP-E2	
IC501	8-759-360-66	IC TL1453CPWR-E20	
IC503	8-759-521-35	IC TL5001CD	

Ref. No.	Part No.	Description			Remark
		< COIL >			
L101	1-411-770-11	INDUCTOR	150uH		
L201	1-412-032-11	INDUCTOR CHIP	100uH		
L407	1-412-031-11	INDUCTOR CHIP	47uH		
L408	1-412-031-11	INDUCTOR CHIP	47uH		
L409	1-412-031-11	INDUCTOR CHIP	47uH		
L501	1-415-929-21	INDUCTOR	100uH		
L502	1-411-736-21	INDUCTOR	22uH		
L503	1-412-032-11	INDUCTOR CHIP	100uH		
L504	1-412-032-11	INDUCTOR CHIP	100uH		
L505	1-412-032-11	INDUCTOR CHIP	100uH		
L506	1-412-032-11	INDUCTOR CHIP	100uH		
L507	1-414-862-11	INDUCTOR	82uH		
L508	1-411-770-11	INDUCTOR	150uH		
		< TRANSISTOR >			
Q102	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
Q105	8-729-140-75	TRANSISTOR	2SD999-T1-CLCK		
Q106	8-729-140-75	TRANSISTOR	2SD999-T1-CLCK		
Q108	8-729-421-22	TRANSISTOR	UN2211-TX		
Q109	8-729-421-22	TRANSISTOR	UN2211-TX		
Q110	8-729-808-69	TRANSISTOR	2SB1204T-FA-TL		
Q112	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
Q113	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
Q114	8-729-421-22	TRANSISTOR	UN2211-TX		
Q502	8-729-905-34	TRANSISTOR	2SC4081T106Q		
Q503	8-729-026-51	TRANSISTOR	2SA1576A-T106-Q		
Q504	8-729-822-72	TRANSISTOR	2SD1815FAS-TL		
Q506	8-729-421-22	TRANSISTOR	UN2211-TX		
Q510	8-729-422-37	TRANSISTOR	2SB709A-R-TX		
Q511	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
Q512	8-729-044-78	FET	2SJ327-Z-E1		
Q514	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
Q515	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
Q516	8-729-905-34	TRANSISTOR	2SC4081T106Q		
Q517	8-729-905-34	TRANSISTOR	2SC4081T106Q		
		< RESISTOR >			
R001	1-216-054-00	RES-CHIP	1.6K	5%	1/10W
R102	1-216-041-00	METAL CHIP	470	5%	1/10W
R104	1-216-001-00	METAL CHIP	10	5%	1/10W
R107	1-216-073-00	METAL CHIP	10K	5%	1/10W
R108	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R111	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R113	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R114	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R116	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R119	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R120	1-216-049-11	RES-CHIP	1K	5%	1/10W
R121	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R122	1-216-049-11	RES-CHIP	1K	5%	1/10W
R123	1-216-068-00	METAL CHIP	6.2K	5%	1/10W
R124	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R127	1-216-049-11	RES-CHIP	1K	5%	1/10W
R128	1-216-075-00	METAL CHIP	12K	5%	1/10W
R129	1-216-097-00	RES-CHIP	100K	5%	1/10W
R130	1-216-089-00	RES-CHIP	47K	5%	1/10W
R131	1-216-089-00	RES-CHIP	47K	5%	1/10W

A

Ref. No.	Part No.	Description			Remark
R132	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R134	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R137	1-216-295-00	SHORT	0		
R138	1-216-295-00	SHORT	0		
R140	1-216-089-00	RES-CHIP	47K	5%	1/10W
R142	1-216-089-00	RES-CHIP	47K	5%	1/10W
R143	1-216-089-00	RES-CHIP	47K	5%	1/10W
R144	1-216-089-00	RES-CHIP	47K	5%	1/10W
R145	1-216-089-00	RES-CHIP	47K	5%	1/10W
R146	1-216-089-00	RES-CHIP	47K	5%	1/10W
R148	1-216-089-00	RES-CHIP	47K	5%	1/10W
R149	1-216-295-00	SHORT	0		
R150	1-216-089-00	RES-CHIP	47K	5%	1/10W
R151	1-216-295-00	SHORT	0		
R152	1-216-295-00	SHORT	0		
R153	1-216-295-00	SHORT	0		
R154	1-216-295-00	SHORT	0		
R155	1-216-680-11	METAL CHIP	16K	0.5%	1/10W
R156	1-216-680-11	METAL CHIP	16K	0.5%	1/10W
R157	1-216-691-11	METAL CHIP	47K	0.5%	1/10W
R158	1-216-691-11	METAL CHIP	47K	0.5%	1/10W
R159	1-216-089-00	RES-CHIP	47K	5%	1/10W
R160	1-216-041-00	METAL CHIP	470	5%	1/10W
R161	1-216-041-00	METAL CHIP	470	5%	1/10W
R162	1-216-089-00	RES-CHIP	47K	5%	1/10W
R163	1-216-073-00	METAL CHIP	10K	5%	1/10W
R164	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R165	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R166	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R167	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R168	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R169	1-216-049-11	RES-CHIP	1K	5%	1/10W
R170	1-216-089-00	RES-CHIP	47K	5%	1/10W
R172	1-216-089-00	RES-CHIP	47K	5%	1/10W
R173	1-216-089-00	RES-CHIP	47K	5%	1/10W
R174	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R175	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R176	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R177	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R178	1-216-063-00	RES-CHIP	3.9K	5%	1/10W
R179	1-216-073-00	METAL CHIP	10K	5%	1/10W
R181	1-216-295-00	SHORT	0		
R182	1-216-089-00	RES-CHIP	47K	5%	1/10W
R183	1-216-295-00	SHORT	0		
R184	1-216-089-00	RES-CHIP	47K	5%	1/10W
R185	1-216-295-00	SHORT	0		
R186	1-216-295-00	SHORT	0		
R187	1-216-295-00	SHORT	0		
R188	1-216-089-00	RES-CHIP	47K	5%	1/10W
R189	1-216-033-00	METAL CHIP	220	5%	1/10W
R190	1-216-033-00	METAL CHIP	220	5%	1/10W
R191	1-216-033-00	METAL CHIP	220	5%	1/10W
R192	1-216-033-00	METAL CHIP	220	5%	1/10W
R193	1-216-033-00	METAL CHIP	220	5%	1/10W
R194	1-216-033-00	METAL CHIP	220	5%	1/10W
R195	1-216-033-00	METAL CHIP	220	5%	1/10W
R196	1-216-033-00	METAL CHIP	220	5%	1/10W
R197	1-216-170-00	RES-CHIP	68	5%	1/8W
R198	1-216-170-00	RES-CHIP	68	5%	1/8W
R199	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R200	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R201	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R202	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R203	1-216-295-00	SHORT	0		
R204	1-216-295-00	SHORT	0		
R205	1-216-295-00	SHORT	0		
R206	1-216-049-11	RES-CHIP	1K	5%	1/10W
R207	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R210	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R454	1-216-295-00	SHORT	0		
R455	1-216-295-00	SHORT	0		
R503	1-216-081-00	METAL CHIP	22K	5%	1/10W
R504	1-216-081-00	METAL CHIP	22K	5%	1/10W
R507	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R509	1-216-675-11	METAL CHIP	10K	0.5%	1/10W
R510	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R512	1-216-083-00	METAL CHIP	27K	5%	1/10W
R513	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R514	1-216-085-00	METAL CHIP	33K	5%	1/10W
R515	1-216-085-00	METAL CHIP	33K	5%	1/10W
R516	1-216-041-00	METAL CHIP	470	5%	1/10W
R517	1-216-037-00	METAL CHIP	330	5%	1/10W
R518	1-216-037-00	METAL CHIP	330	5%	1/10W
R520	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R527	1-216-295-00	SHORT	0		
R528	1-216-049-11	RES-CHIP	1K	5%	1/10W
R529	1-216-295-00	SHORT	0		
R534	1-216-097-00	RES-CHIP	100K	5%	1/10W
R535	1-216-097-00	RES-CHIP	100K	5%	1/10W
R536	1-216-097-00	RES-CHIP	100K	5%	1/10W
R537	1-216-097-00	RES-CHIP	100K	5%	1/10W
R538	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R539	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R540	1-216-049-11	RES-CHIP	1K	5%	1/10W
R541	1-216-081-00	METAL CHIP	22K	5%	1/10W
R542	1-216-089-00	RES-CHIP	47K	5%	1/10W
R543	1-216-089-00	RES-CHIP	47K	5%	1/10W
R548	1-216-097-00	RES-CHIP	100K	5%	1/10W
R550	1-216-001-00	METAL CHIP	10	5%	1/10W
R554	1-216-295-00	SHORT	0		
R556	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R562	1-216-009-00	RES-CHIP	22	5%	1/10W
R564	1-216-308-00	METAL CHIP	4.7	5%	1/10W
R565	1-216-081-00	METAL CHIP	22K	5%	1/10W
R566	1-216-089-00	RES-CHIP	47K	5%	1/10W
R567	1-216-033-00	METAL CHIP	220	5%	1/10W
R568	1-216-073-00	METAL CHIP	10K	5%	1/10W
R569	1-216-041-00	METAL CHIP	470	5%	1/10W
R570	1-216-041-00	METAL CHIP	470	5%	1/10W
R572	1-216-081-00	METAL CHIP	22K	5%	1/10W
R574	1-216-099-00	METAL CHIP	120K	5%	1/10W
R580	1-216-071-00	METAL CHIP	8.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< VARIABLE RESISTOR >			
RV501	1-238-087-11	RES, ADJ, CERMET	1K		
RV502	1-238-090-11	RES, ADJ, CERMET	10K		
		< SWITCH >			
S102	1-771-447-11	SWITCH, PUSH (MONITOR CLOSE DETECT)			
		< TRANSFORMER >			
T501	1-433-449-21	TRANSFORMER, DC-DC CONVERTER			
		< VIBRATOR >			
X100	1-579-358-11	VIBLATOR, CRYSTAL (10MHz)			
**********					
*	A-3317-281-A	B BOARD, COMPLETE			
		**********			
		(Refer to SECTION 1. SERVICING NOTES on page 2.)			
		< CAPACITOR >			
C701	1-127-712-11	ELECT	2500uF	20%	25V
C702	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C703	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C704	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C705	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C706	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C707	1-125-938-91	ELECT	330uF	20%	25V
C708	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C709	1-124-779-00	ELECT CHIP	10uF	20%	16V
C710	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
		< CONNECTOR >			
* CN701	1-564-518-11	PLUG, CONNECTOR 3P			
* CN702	1-565-883-11	PIN, CONNECTOR (PC BOARD) 11P			
* CN703	1-565-884-11	PIN, CONNECTOR (PC BOARD) 12P			
CN704	1-784-965-11	CONNECTOR (WITH FUSE) (POWER)			
CN705	1-764-532-21	CONNECTOR, FFC/FPC (ZIF) 26P			
CN706	1-764-532-21	CONNECTOR, FFC/FPC (ZIF) 26P			
		< DIODE >			
D701	8-719-023-54	DIODE EA60QC06-TE16F2			
D702	8-719-066-17	DIODE FTZ6.8E-T148			
D703	8-719-066-17	DIODE FTZ6.8E-T148			
D704	8-719-066-17	DIODE FTZ6.8E-T148			
D705	8-719-066-17	DIODE FTZ6.8E-T148			
D706	8-719-066-17	DIODE FTZ6.8E-T148			
D708	8-719-420-51	DIODE MA729-TX			
		< IC >			
IC703	8-759-711-58	IC NJM78L05UA			
		< COIL >			
L701	1-421-961-41	INDUCTOR	450uH		
L702	1-416-510-21	INDUCTOR	100uH		
		< TRANSISTOR >			
Q701	8-729-027-43	TRANSISTOR	DTC114EK-T146		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R701	1-216-089-00	RES-CHIP	47K	5%	1/10W
R702	1-216-089-00	RES-CHIP	47K	5%	1/10W
R703	1-216-296-00	SHORT	0		
R704	1-216-092-00	RES-CHIP	62K	5%	1/10W
R705	1-216-083-00	METAL CHIP	27K	5%	1/10W
R707	1-216-295-00	SHORT	0		
R709	1-216-089-00	RES-CHIP	47K	5%	1/10W
R716	1-216-073-00	METAL CHIP	10K	5%	1/10W
R725	1-216-025-00	RES-CHIP	100	5%	1/10W
R727	1-220-271-11	RES-CHIP	560	5%	1/2W
R798	1-249-418-11	CARBON	1.2K	5%	1/4W
R799	1-249-418-11	CARBON	1.2K	5%	1/4W
R999	1-216-295-00	SHORT	0		
		< VARISTOR >			
VR701	1-810-601-11	VARISTOR			
**********					
*	1-670-608-12	C BOARD			
		********			
		< CAPACITOR >			
C11	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
		< CONNECTOR >			
CN11	1-573-290-21	PIN, CONNECTOR (1.5mm) (SMD) 4P			
		< DIODE >			
D11	8-719-422-16	DIODE MA8039-L-TX			
		< PHOTO INTERRUPTER >			
* PH11	8-749-013-34	PHOTO INTERRUPTER GP1S23K			
		< TRANSISTOR >			
Q11	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
		< RESISTOR >			
R11	1-216-658-11	METAL CHIP	2K	0.5%	1/10W
R13	1-216-097-00	RES-CHIP	100K	5%	1/10W
R14	1-216-039-00	METAL CHIP	390	5%	1/10W
		< SWITCH >			
S11	1-692-440-11	SWITCH, PUSH (MONITOR OPEN DETECT)			
**********					
*	1-670-609-12	D BOARD			
		********			
		< CONNECTOR >			
* CN21	1-580-056-21	PIN, CONNECTOR (SMD) 3P			
		< DIODE >			
D21	8-719-422-16	DIODE MA8039-L-TX			

D **E** **G**

Ref. No.	Part No.	Description			Remark
		< PHOTO INTERRUPTER >			
* PH21	8-749-013-34	PHOTO INTERRUPTER GP1S23K			
		< TRANSISTOR >			
Q21	8-729-422-29	TRANSISTOR	2SD601A-R-TX		
		< RESISTOR >			
R21	1-216-658-11	METAL CHIP	2K	0.5%	1/10W
R23	1-216-097-00	RES-CHIP	100K	5%	1/10W
R24	1-216-039-00	METAL CHIP	390	5%	1/10W
**********					
*	1-670-610-12	E BOARD			
		********			
		< CAPACITOR >			
C31	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C32	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
		< CONNECTOR >			
CN31	1-568-961-11	PIN, CONNECTOR (PC BOARD) 3P			
		< SWITCH >			
S31	1-572-126-21	SWITCH, PUSH (1 KEY) (PUSH OUT)			
S32	1-572-126-21	SWITCH, PUSH (1 KEY) (SET BACK)			
**********					
*	A-3317-076-A	G BOARD, COMPLETE			
		******************			
		< CAPACITOR >			
C403	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C404	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C405	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C406	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C407	1-104-851-11	TANTALUM CHIP	10uF	20%	10V
C408	1-163-255-11	CERAMIC CHIP	150PF	5%	50V
C409	1-135-179-21	TANTALUM CHIP	2.2uF	20%	16V
C410	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C411	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C414	1-113-642-11	TANTALUM CHIP	47uF	20%	10V
C415	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C416	1-163-091-00	CERAMIC CHIP	8PF		50V
C418	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C420	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C422	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C424	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C425	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C426	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C428	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C429	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C430	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C431	1-117-808-11	CERAMIC CHIP	10uF	10%	10V
C432	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C434	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C436	1-113-642-11	TANTALUM CHIP	47uF	20%	10V
C437	1-104-823-11	TANTALUM CHIP	47uF	20%	16V

Ref. No.	Part No.	Description			Remark
C442	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C443	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C444	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C923	1-135-179-21	TANTALUM CHIP	2.2uF	20%	16V
C924	1-127-746-21	FILM CHIP	0.082uF	10%	100V
C926	1-107-526-11	CERAMIC CHIP	22PF	10%	3KV
C927	1-107-526-11	CERAMIC CHIP	22PF	10%	3KV
		< CONNECTOR >			
CN901	1-569-629-11	HOUSING, CONNECTOR 24P			
CN902	1-573-366-21	CONNECTOR, FFC/FPC 26P			
* CN903	1-766-311-21	PIN, CONNECTOR (PC BOARD) 2P			
		< DIODE >			
D405	8-719-422-64	DIODE MA8062-M-TX			
D406	8-719-422-64	DIODE MA8062-M-TX			
D407	8-719-422-64	DIODE MA8062-M-TX			
D408	8-719-422-64	DIODE MA8062-M-TX			
D409	8-719-422-64	DIODE MA8062-M-TX			
D410	8-719-061-22	DIODE MA8130-M-TX			
D411	8-719-022-90	DIODE MA8160-M-TX			
D907	8-719-801-78	DIODE MA152WK-TX			
		< IC >			
IC401	8-759-242-74	IC TC7W04F			
IC402	8-759-278-58	IC NJM4558V-TE2			
IC403	8-759-450-52	IC IR3Y29B4			
		< COIL >			
L404	1-412-033-11	INDUCTOR CHIP	220uH		
L405	1-412-031-11	INDUCTOR CHIP	47uH		
L406	1-412-031-11	INDUCTOR CHIP	47uH		
		< TRANSISTOR >			
Q401	8-729-905-34	TRANSISTOR	2SC4081T106Q		
Q402	8-729-026-51	TRANSISTOR	2SA1576A-T106-Q		
Q403	8-729-101-07	TRANSISTOR	2SB798-T1-DLDK		
Q404	8-729-140-75	TRANSISTOR	2SD999-T1-CLCK		
Q911	8-729-018-95	TRANSISTOR	2SD1803FAT-TL		
Q912	8-729-018-95	TRANSISTOR	2SD1803FAT-TL		
		< RESISTOR >			
R405	1-216-022-00	METAL CHIP	75	5%	1/10W
R406	1-216-035-00	METAL CHIP	270	5%	1/10W
R407	1-216-035-00	METAL CHIP	270	5%	1/10W
R408	1-216-035-00	METAL CHIP	270	5%	1/10W
R411	1-216-043-00	RES-CHIP	560	5%	1/10W
R412	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R415	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R416	1-216-073-00	METAL CHIP	10K	5%	1/10W
R418	1-216-073-00	METAL CHIP	10K	5%	1/10W
R419	1-216-079-00	METAL CHIP	18K	5%	1/10W
R420	1-216-080-00	METAL CHIP	20K	5%	1/10W
R421	1-216-073-00	METAL CHIP	10K	5%	1/10W
R422	1-216-073-00	METAL CHIP	10K	5%	1/10W
R423	1-216-080-00	METAL CHIP	20K	5%	1/10W
R424	1-216-049-11	RES-CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R427	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R428	1-216-073-00	METAL CHIP	10K	5%	1/10W
R429	1-216-077-00	RES-CHIP	15K	5%	1/10W
R430	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R431	1-216-073-00	METAL CHIP	10K	5%	1/10W
R433	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R434	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R435	1-216-077-00	RES-CHIP	15K	5%	1/10W
R436	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R437	1-216-073-00	METAL CHIP	10K	5%	1/10W
R439	1-216-001-00	METAL CHIP	10	5%	1/10W
R440	1-216-001-00	METAL CHIP	10	5%	1/10W
R441	1-216-080-00	METAL CHIP	20K	5%	1/10W
R442	1-216-073-00	METAL CHIP	10K	5%	1/10W
R443	1-216-080-00	METAL CHIP	20K	5%	1/10W
R444	1-216-073-00	METAL CHIP	10K	5%	1/10W
R445	1-216-082-00	RES-CHIP	24K	5%	1/10W
R446	1-216-079-00	METAL CHIP	18K	5%	1/10W
R449	1-216-025-00	RES-CHIP	100	5%	1/10W
R450	1-216-025-00	RES-CHIP	100	5%	1/10W
R451	1-216-025-00	RES-CHIP	100	5%	1/10W
R456	1-216-295-00	SHORT	0		
R457	1-216-089-00	RES-CHIP	47K	5%	1/10W
R460	1-216-295-00	SHORT	0		
R461	1-216-295-00	SHORT	0		
R923	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R927	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R929	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R931	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R932	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R933	1-216-079-00	METAL CHIP	18K	5%	1/10W
R934	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R951	1-216-296-00	SHORT	0		

< VARIABLE RESISTOR >

RV401	1-238-092-11	RES, ADJ, CERMET	47K
RV403	1-238-092-11	RES, ADJ, CERMET	47K
RV404	1-238-092-11	RES, ADJ, CERMET	47K
RV405	1-238-088-11	RES, ADJ, CERMET	2.2K
RV406	1-238-092-11	RES, ADJ, CERMET	47K
RV407	1-238-092-11	RES, ADJ, CERMET	47K
RV408	1-238-092-11	RES, ADJ, CERMET	47K
RV409	1-238-090-11	RES, ADJ, CERMET	10K

< TRANSFORMER >

T601	1-431-914-12	TRANSFORMER, INVERTER
T602	1-431-914-12	TRANSFORMER, INVERTER

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*	9-882-029-01	PANEL BOARD, COMPLETE

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< CAPACITOR >

C702	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C703	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C704	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C705	1-104-913-11	TANTALUM CHIP	10uF	20%	16V
C706	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V

Ref. No.	Part No.	Description	Remark

< CONNECTOR >

CN701	1-573-366-21	FFC CONNECTOR 26P

< DIODE >

D701	9-882-025-01	DIODE NNCD6.8G-T1
D702	9-882-025-01	DIODE NNCD6.8G-T1
D703	9-882-025-01	DIODE NNCD6.8G-T1
D704	9-882-025-01	DIODE NNCD6.8G-T1
D706	9-882-026-01	DIODE PTZ-TE25-5.6B
D710	9-882-600-01	DIODE NNCD6.8F-T1B
D711	8-719-989-79	LED AA1102W (V OFF)
D716	8-719-070-29	DIODE PTZ-TE25-5.1B
D717	8-719-070-29	DIODE PTZ-TE25-5.1B
D718	8-719-987-45	LED CL-155Y/PG-CD-T (NAVI)
D719	8-719-987-45	LED CL-155Y/PG-CD-T (TV/VIDEO)
D720	8-719-070-29	DIODE PTZ-TE25-5.1B
D721	8-719-987-45	LED CL-155Y/PG-CD-T (–)
D722	8-719-987-45	LED CL-155Y/PG-CD-T (+)
D723	8-719-987-45	LED CL-155Y/PG-CD-T (SEARCH –)
D724	8-719-987-45	LED CL-155Y/PG-CD-T (SEARCH +)
D725	8-719-987-45	LED CL-155Y/PG-CD-T (• SLIDE, – ANGLE)
D727	8-719-070-29	DIODE PTZ-TE25-5.1B

< IC >

IC701	8-749-925-13	IC RS-30E

< SWITCH >

LSW703	1-762-143-12	SWITCH, TACTILE (WITH LED) (OPEN/CLOSE)
LSW704	1-762-143-12	SWITCH, TACTILE (WITH LED) (OFF)
LSW706	1-762-143-12	SWITCH, TACTILE (WITH LED) (• SLIDE, – ANGLE)
LSW707	1-762-143-12	SWITCH, TACTILE (WITH LED) (NAVI)
LSW708	1-762-143-12	SWITCH, TACTILE (WITH LED) (TV/VIDEO)
LSW709	1-762-143-12	SWITCH, TACTILE (WITH LED) (DSPL)
LSW710	1-762-143-12	SWITCH, TACTILE (WITH LED) (SELECT)
LSW711	1-762-143-12	SWITCH, TACTILE (WITH LED) (+)
LSW712	1-762-143-12	SWITCH, TACTILE (WITH LED) (–)
LSW713	1-762-143-12	SWITCH, TACTILE (WITH LED) (SEARCH +)
LSW714	1-762-143-12	SWITCH, TACTILE (WITH LED) (SEARCH –)
LSW715	1-762-143-12	SWITCH, TACTILE (WITH LED) (V ADJ)
LSW716	1-762-143-12	SWITCH, TACTILE (WITH LED) (VOLUME –)
LSW717	1-762-143-12	SWITCH, TACTILE (WITH LED) (VOLUME +)

< TRANSISTOR >

Q701	8-729-028-97	TRANSISTOR	DTC114TUA-T106
Q702	8-729-120-28	TRANSISTOR	2SC1623-L5L6
Q703	8-729-027-38	TRANSISTOR	DTC144EKA-T146
Q704	8-729-901-97	TRANSISTOR	2SA1036K-Q
Q708	8-729-900-53	TRANSISTOR	DTC114EK
Q709	8-729-027-38	TRANSISTOR	DTA144EKA-T146
Q710	8-729-904-66	TRANSISTOR	DTC113EK
Q711	8-729-901-97	TRANSISTOR	2SA1036K-Q
Q712	8-729-901-97	TRANSISTOR	2SA1036K-Q

< RESISTOR >

R702	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R703	1-216-045-00	METAL CHIP	680	5%	1/10W

PANEL

Ref. No.	Part No.	Description			Remark
R704	1-216-035-00	METAL CHIP	270	5%	1/10W
R705	1-216-035-00	METAL CHIP	270	5%	1/10W
R706	1-216-035-00	METAL CHIP	270	5%	1/10W
R707	1-216-035-00	METAL CHIP	270	5%	1/10W
R708	1-216-188-00	METAL CHIP	390	5%	1/8W
R709	1-216-190-00	METAL CHIP	470	5%	1/8W
R710	1-216-190-00	METAL CHIP	470	5%	1/8W
R714	1-216-049-11	METAL CHIP	1K	5%	1/10W
R715	1-216-042-00	METAL CHIP	510	5%	1/10W
R716	1-216-042-00	METAL CHIP	510	5%	1/10W
R717	1-216-042-00	METAL CHIP	510	5%	1/10W
R718	1-216-042-00	METAL CHIP	510	5%	1/10W
R719	1-216-035-00	METAL CHIP	270	5%	1/10W
R720	1-216-035-00	METAL CHIP	270	5%	1/10W
R721	1-216-042-00	METAL CHIP	510	5%	1/10W
R722	1-216-042-00	METAL CHIP	510	5%	1/10W
R723	1-216-184-00	METAL CHIP	270	5%	1/8W
R724	1-216-184-00	METAL CHIP	270	5%	1/8W
R725	1-216-178-00	METAL CHIP	150	5%	1/8W
R726	1-216-178-00	METAL CHIP	150	5%	1/8W
R727	1-216-178-00	METAL CHIP	150	5%	1/8W
R728	1-216-081-00	METAL CHIP	22K	5%	1/10W
R729	1-216-178-00	METAL CHIP	150	5%	1/8W
R730	1-216-184-00	METAL CHIP	270	5%	1/8W
R731	1-216-184-00	METAL CHIP	270	5%	1/8W
R732	1-216-081-00	METAL CHIP	22K	5%	1/10W
R733	1-216-178-00	METAL CHIP	150	5%	1/8W
R734	1-216-081-00	METAL CHIP	22K	5%	1/10W
R735	1-216-178-00	METAL CHIP	150	5%	1/8W
R736	1-216-081-00	METAL CHIP	22K	5%	1/10W
R737	1-216-184-00	METAL CHIP	270	5%	1/8W
R738	1-216-184-00	METAL CHIP	270	5%	1/8W
R739	1-216-295-00	METAL CHIP	0	5%	1/10W
R740	1-216-295-00	METAL CHIP	0	5%	1/10W
R741	1-216-042-00	METAL CHIP	510	5%	1/10W
R742	1-216-042-00	METAL CHIP	510	5%	1/10W
R743	1-216-042-00	METAL CHIP	510	5%	1/10W
R744	1-216-042-00	METAL CHIP	510	5%	1/10W
R745	1-216-042-00	METAL CHIP	510	5%	1/10W
R746	1-216-042-00	METAL CHIP	510	5%	1/10W
R747	1-216-295-00	METAL CHIP	0	5%	1/10W
R748	1-216-295-00	METAL CHIP	0	5%	1/10W
R749	1-216-295-00	METAL CHIP	0	5%	1/10W
R750	1-216-295-00	METAL CHIP	0	5%	1/10W
R751	1-216-295-00	METAL CHIP	0	5%	1/10W
R752	1-216-295-00	METAL CHIP	0	5%	1/10W
R753	1-216-295-00	METAL CHIP	0	5%	1/10W
R754	1-216-295-00	METAL CHIP	0	5%	1/10W
		< SWITCH >			
S702	1-771-027-11	SWITCH, KEY BOARD (RESET)			

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
13	1-783-609-21	CORD (WITH CONNECTOR) 10P (POWER)	
71	1-783-614-11	CABLE, FLAT 26P	
75	1-790-173-12	CORD, CONNECTION (for TV TUNER UNIT)	
154	1-783-611-11	CABLE, FLAT 24P	
155	1-803-141-11	DISPLAY PANEL, LIQUID CRYSTAL	
164	1-783-613-11	CABLE, FLAT 26P	
F704	1-532-796-11	FUSE (BLADE TYPE) (AUTO FUSE) (5A)	
M11	1-763-115-11	MOTOR, DC (SMALL TYPE) (ANGLE)	
M21	1-763-114-11	MOTOR, DC (SMALL TYPE) (SLIDE)	
SP701	1-505-588-11	SPEAKER (3.5X2cm)	

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		ACCESSORIESE & PACKING MATERIALS	
		**********	
	1-473-715-21	REMOTE COMMANDER (RM-X63E)	
	9-939-691-01	LID, BATTERY CASE (for RM-X63E)	

Sony Corporation
Audio Entertainment Group

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